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Automotive Environmental Systems, Inc, Westminster, CA

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Each vehicle received a safety inspection representative of a possible mandatory periodic motorcycle safety inspection program. All 1977 and twenty-eight 1978 motorcycles also received an inspection of emission related components.

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A STUDY OF EXHAUST EMISSIONS FROM 1977-1978 MODEL YEAR MOTORCYCLES

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A STUDY OF EXHAUST EMISSIONS FROM 1977-1978 MODEL YEAR MOTORCYCLES

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ABSTRACT

This report presents data obtained as a result of testing and inspection of 150 1977 and 1978 model year motorcycles in the Los Angeles, California area. All tests and inspections were performed by Automotive Environmental Systems, Inc. at their Westminster, California facility. All vehicles were consumer-owned, street-legal motorcycles. The test fleet was made up of motorcycles manufactured by BMW, Harley-Davidson, Honda, Kawasaki, Suzuki and Yamaha in proportions based approximately on sales volume.

Each vehicle was initially tested in as-received condition by the 1978 Federal Test Procedure. This includes evaporative emissions measurements as well as the exhaust emissions tests. A number of additional tests were performed on some or all vehicles. These included a Two-Speed Idle test (all vehicles), the Highway Fuel Economy test, a modal emissions test, the Federal Short Cycle test, the New York/New Jersey test and the Federal Three Mode test.

Each vehicle received a safety inspection representative of a possible mandatory periodic motorcycle safety inspection program. All 1977 and twenty-eight 1978 motorcycles also received an inspection of emission related components. Repairs were performed as necessary, followed by a retest to show the effectiveness of the repair.

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SECTION 1

INTRODUCTION

The U.S. Environmental Protection Agency (EPA), through authority provided by the Clean Air Act, is responsible for the control and prevention of air pollution. One of the charges of the EPA as provided by the act is the design, conduct and promotion of surveys and studies of the sources of air pollution. The Emission Control Technology Division (ECTD) of the EPA develops, implements and administers a national program to characterize, qualify and reduce the air pollution caused by mobile sources. Included in the division's responsibilities are obtaining emission data from in-use vehicles and developing and evaluating vehicle emission control alternatives. These in-use vehicle data are utilized within the EPA for calculations and projections of nationwide and metropolitan area emissions from various types of light-duty vehicles. These emission factors are used in developing transportation control procedures and contingency programs to cover emergency situations. Outside the EPA, these factors and the emission control alternatives are used by various state and local agencies in their air pollution control programs. In order to support the states in their efforts to implement their air quality programs, the Emission Control Technology Division will use the data generated by this project to assess the effectiveness of motorcycle inspection/maintenance programs in reducing emission factors.

This report describes a program conducted by Automotive Environmental Systems, Inc. (AESi) in the Los Angeles, California area, to determine exhaust and evaporative emission levels of late model in-use motorcycles without exhaust emission controls and exhaust and evaporative emission levels of 1978 model in-use motorcycles with exhaust emission controls for hydrocarbons and for carbon monoxide.

A series of tests were performed on 150 randomly-selected priveagely owned vehicles. Each test sequence originally consisted of a Federal Test Procedure (FTP) with evaporative emissions, a Highway Fuel Economy test (HFET), a Modal emissions test, a Federal Short Cycle test, a New York/New Jersey test, a Two-Speed Idle test and additional restorative maintenance work.

Restorative maintenance inspections were performed on all 1977 vehicles and twenty-eight 1978 vehicles. Restoration to manufacturer specifications and replacement of non-OEM parts on ninety-four 1977 and twenty-six 1978 vehicles was followed by a second FTP without evaporative emissions, a HFET (until deleted by the change of scope) and a Two-Speed Idle test.

A safety inspection, representative of a periodic motor vehicle inspection, for motorcycles was performed on every motorcycle. This was performed

as an interagency agreement between EPA and the National Highway Transportation Safety Administration (NHTSA). These data were delivered to EPA but are not included in this report.

Section 2 of this report describes the objectives, experimental design, and conduct of the program. Section 3 presents summary results. Detailed listings of data are presented in the Appendices by vehicle and test number.

SECTION 2

TECHNICAL DISCUSSION

2.1 PROGRAM OBJECTIVES

The primary objective of this project was to provide emission data for late-model motorcycles with and without emission controls. The other objectives were to show the effectiveness of restorative maintenance on exhaust emissions and to obtain a profile of the safety related equipment of these motorcycles.

2.2 PROGRAM DESIGN

The test fleet of 150 consumer-owned 1977-1978 model year motorcycles was comprised of vehicles operated in the Los Angeles, California area. These vehicles were chosen in order of make, model, engine cycle (2 or 4 stroke) and engine displacement.

Originally, each vehicle was to receive a Federal Test Procedure (FTP) test, a Highway Fuel Economy (HFET) test, and a Modal Emissions test. Succeeding contract modifications added an Evaporative Emissions test, four short cycle tests (Federal Short Cycle, New York/New Jersey Short test, Federal Three Mode test, Two-Speed Idle test), a motorcycle safety inspection and restorative maintenance procedures.

Twenty-six vehicles received this full range of tests before another contract modification deleted the HFET, Modal, Federal Short Cycle, New York/New Jersey and Federal Three Mode tests.

2.3 TEST VEHICLE PROCUREMENT

The minimum standards for test vehicle procurement were as follows:

Listed make and model year	100%
Listed make, model year & engine cycle	90%
Exact match	70%

Rental, leased, or fleet vehicles were not encountered or used. The number of vehicles procured from members of commercial, civic, or fraternal organizations was limited to 50% of the vehicles from any one model year. Groups of vehicles were not obtained from organizations which are motorcycle oriented.

2.3.1 Test Vehicle Selection

A sales weighted matrix of vehicles was defined with the aid of the Motorcycle Industries Council (MIC). The quantities of vehicles tested, by manufacturer and model year, are shown in Table 1. The characteristics of these vehicles are listed in Table 2.

Test vehicles were solicited using various means. The motorcycle manufacturers provided lists of vehicle owners and mailings were prepared from these lists. Vehicles were also solicited using news releases in local papers, paid advertisements in newspapers and flyers, and electronic advertising in a major shopping mall in Westminster. Motorcycle owners at a military base in the area were also solicited to participate in this program.

2.3.2 Incentives for Participation

The owner of a suitable test vehicle was provided the following incentives for his participation:

> A $50 U.S. Savings Bond. Bonds were mailed to participants within one month following the test of their vehicle. In certain cases the cash equivalent was provided.
>
> The owner's motorcycle was returned with a full tank of fuel.
>
> Most owners chose to accept the use of a late-model, fully insured loaner automobile during the time their vehicle was undergoing testing.

2.3.3 Test Vehicle Handling

In most cases, the vehicle was scheduled to be delivered to AESi in Westminster by appointment. In some cases, vehicles were picked up and/or delivered at a participant's home or place of business. An inspection was performed to ensure proper vehicle match and to establish the physical condition of the vehicle. If accepted, a loan vehicle exchange agreement, the savings bond application and the Vehicle Owner Use Questionnaire were also completed at this time.

2.4 FACILITIES AND EQUIPMENT

2.4.1 Test Location

All tests were performed at AESi's test facility at 7300 Bolsa Avenue in Westminster, California. The facility is located approximately 25 miles south of downtown Los Angeles at an elevation of 45 feet above sea level.

The test facility environment, including testing and vehicle soak areas, was maintained within the requirements of contract. A permanent record was maintained for the ambient temperature in the soak and test areas

for all phases of testing. The soak area is inside the same building as the test area and is free from precipitation.

2.4.2 Constant Volume Samplers

A positive displacement pump type constant volume sampler, built by AESi was used in this program. This CVS meets or exceeds all specifications defined in the Federal Register (FR), Volume 42, No. 3, January 5, 1977, Section 86.509-78. The system contains six bags switched by computer in sample/background pairs for the FTP and for short cycle CVS tests.

All plumbing in the sampling, analytical and calibration systems is either stainless steel or teflon. This includes sample lines, calibration and zero gas lines and the valves and regulators for NO gases. Leak tight stainless steel convoluted tubing is used between the CVS and the vehicle tail pipe. An appropriate leak tight boot was used to connect the tailpipe to the convolute tubing. A stainless steel heat exchanger with temperature controlled cold water inlet was used to provide essentially a constant exhaust gas temperature for the entire test.

The sample and dilution air bags are made of Dupont Tedlar material. The sample and background bags are of a volume compatible with the CVS unit (i.e. no pressure build up in the bag when filling with sample or background gas).

Due to the multiple exhausts found on the variety of motorcycles tested, a remote dilution/filter box was built to allow connection of up to four exhaust pipes.

2.4.3 Emission Analysis Consoles

2.4.3.1 Analyzers

An AESi exhaust gas analytical system meeting or exceeding the specifications of FR, Vol. 42, No. 3, was used for dilute gas measurements. Similar laboratory type instrumentation, with higher ranges, was used for analysis of raw gases. In addition, a GSM-300 Horiba garage-type analyzer was used for measurement of raw HC and CO. The console contains the following instrument types and ranges:

Analyzer	Ranges
Bendix Model 8501-5C (CO)	0-100, 0-500 ppm (11¼" Cell Length)
Beckman 315B NDIR (CO)	0-.3% (5¼" Cell Length) 0-3%, 0-5% (1/8" Cell Length)
Beckman 315B NDIR (CO_2)	0-1%, 0-4% (1/8" Cell Length)

Two Teco 10A Chemiluminescent (NOx) (1 Dilute Exhaust)	0-25, 0-100, 0-250,
(1 Raw Exhaust)	0-1,000, 0-2,500 ppm
Two Beckman 400 FID OHC)	0-50, 0-100, 0-300, 0-1,000, 0-3,000, 0-10,000 ppm Carbon
Horiba GSM 300 (Raw HC)	0-400, 0-2,000 ppm Hexane Equivalent
(Raw CO)	0-2%, 0-10%
Horiba MEXA 300 (Raw HC)	0-200, 0-1,000 ppm Hexane Equivalent
(Raw CO)	0-0.5%, 0-5%

2.4.3.2 Data Acquisition System

Data were obtained from the analyzers, CVS and dynamometer via an AESi Data Acquisition Control Computer (DACC). The Data General Nova computer was also used for generation of the driver traces for the various schedules, for sample bag management and for calculation and presentation of the emission test results. The data were printed by a Data General Dasher printer.

The output from each analyzer was also wired to the inputs of two Hewlett-Packard Model 7130A two-pen recorders and two Soltec Model 233 two-pen recorders. One recorder was used for dilute HC and NOx, one for dilute CO and CO_2, one for undiluted HC and CO and one for undiluted NO and NOx.

Calibration gases for each range of the HC and NOx analyzers were chosen such that three points were used across the curve (zero and approximately 45% and 90% of full scale concentration). CO and CO2 calibration points were at zero and approximately 15, 30, 45, 60, 75 and 90 percent of full scale. All span gases were 80-100 percent of full scale.

The diluents used in the calibration and working gases are:

HC, ppmC	Propane in HC free air
NOx, ppm	In zero grade nitrogen
CO, mole %	In zero grade nitrogen
CO_2, mole %	In zero grade nitrogen

2.4.4 Laboratory Standard Calibration Gases

Laboratory standard calibration gases, previously approved by EPA, were used for defining instrument calibration curves and assigning concentration values for the working gases. Each cylinder of standard gas and each working gas was equipped with its own pressure regulator. All gases were plumbed to a quick-disconnect panel for ease in selecting the gas desired during calibration and testing.

2.4.5 Motorcycle Dynamometer

An AESi Model 8400 Motorcycle Chassis Dynamometer was used in the performance of all tests. It is an electromechanical dynamometer capable of outstanding performance in the simulation of inertia and road load.

The dynamometer is designed for exhaust-emissions testing of motorcycles, with 10 kilogram increment (140 through 480 kilograms) variable inertia loading, a 509.3 mm diameter roll and roll-loading characteristics. A speed encoder is installed on the dynamometer roll to record the speed (kph) during the test. A dynamometer calibration kit was used during initial installation and calibration.

The dynamometer uses an electrical means of simulating inertia and has an adjustable torque versus speed curve to enable precise matching of speed versus road load characteristics for all motorcycles. The indicated road load power setting takes into account the dynamometer friction. Road load power was demonstrated during laboratory qualification and is verified by periodic coastdown checks.

The motorcycle front wheel is locked into position by an adjustable clamping mechanism. The position of the front wheel with relation to the dynamometer roll is also adjustable to allow proper alignment of the rear wheel on the roll.

A cooling fan, with speed regulated as a function of roll speed, is fixed to the dynamometer just ahead of the front wheel mounting position.

2.4.6 Sealed Housing for Evaporative Determinations (SHED)

Two SHEDs, both AESi products, were utilized for this project. One, a full-sized car SHED, was used during the first part of the project. The second, a new motorcycle SHED, was brought on-line to eliminate conflict with car testing requirements. Both SHEDs utilize the same analytical console, chart recorders, and heat-build systems, with easy switching capability from one SHED to the other. The HC analyzer used in the analytical console was a Beckman 400 FID with ranges of 0-50, 0-100, 0-300, and 0-1000 ppmC.

The AESi SHEDs are designed for continuous use in collecting evaporative emissions from light and medium duty motor vehicles and motorcycles. These heavy duty SHEDs feature a large interior size, large capacity circulation system, full height vehicle entry door, Tedlar ceiling panels for blow out protection and volumetric expansion, and an aluminum floor for ease of cleaning. The large SHED is equipped with a refrigeration system to ensure that temperature limits are not exceeded. The construction technique utilizes rigid aluminum walls with a smooth anodized finish on all inside surfaces. The large SHED internal dimensions are approximately 10 feet wide, 21 feet long and 8 feet high. The small SHED is 9'10" wide, 10'8" long and 8' high.

2.4.7 Miscellaneous Equipment

Miscellaneous equipment used in conjunction with the major items of equipment included the following:

One Hewlett-Packard Model 7130A Driver's Aid.

Two Teco Model 100 NOx Generators.

One Rustrak Chart Recording Psychrometer, Model #2133B with continuous recording of wet/dry bulb temperatures.

One Rustrak Chart Recorder for continuous recording of CVS temperature.

One Weathermeasure M701 continuous recording temperature recorder for soak area temperature. A Rustrak Model 2133B was also used for the same purpose during some periods.

One Princo Mercurial Barometer.

One Meriam 50 MC2-4SF Laminar Flow Element for CVS calibration.

One Sartorius Model 2257 Balance used for weighing the propane cylinders for propane recovery tests.

One Strobotach for dynamometer speed calibration.

A SHED purge fan of 4000 CFM was used to purge each SHED or both SHEDs simultaneously.

Two heating pads with a total capacity of 900 watts were used for the diurnal heat build.

Horiba GSM and MEXA 300 garage analyzers were used for initial raw gas bench measurements and for inspection and maintenance and off-dyno Two-Speed Idle tests.

Various inspection and maintenance equipment was also used for the restorative maintenance functions.

2.5 EQUIPMENT QUALIFICATION, CALIBRATION AND CROSS CHECK

This section describes the qualification, calibration, and cross-check procedures utilized by AESi and verified by EPA technical personnel to ensure that valid test data were generated throughout the test program. Initial qualification included complete demonstration of individual instrument calibration, stability, response time, modal transport time, zero air and nitrogen purity, CVS calibration, dynamometer calibration, and inspection of all daily, weekly and monthly log records.

Prior to the initial EPA inspection, AESi performed a qualification checkout which was defined in a multi-page EPA Emission Laboratory Evaluation Criteria Document. The completed document and all related data were submitted to the EPA Project Officer. After his review of the AESi qualification documentation, the Project Officer witnessed a verification of the qualification procedures prior to initiation of testing.

After an equipment move necessitated by installation of new equipment for another testing project, this entire process was repeated.

2.5.1 Constant Volume Sampler (CVS)

The CVS was calibrated with a laminar flow element using the basic procedures specified in the Federal Register. CVS air flow, measured using the laminar flow element on the inlet side of the mass pump (CVS blower), was controlled by throttling. Blower flow rates were measured at five incremental changes in blower differential pressure on each side of the normal operating point. Flow rates at a total of at least ten points were measured. The nominal air flow of the CVS is 345 CFM. Auxiliary devices employed in the calibration included a mercury barometer to measure absolute ambient pressure, a close tolerance mercury thermometer to measure blower inlet air temperature, a U-tube water manometer to measure pressure drop across the blower and blower inlet pressure and a close tolerance inclined water manometer to measure pressure drop across the laminar flow element. Once this calibration was completed, data from these devices were computer processed, the mid-range blower operating pressures were selected and the mid-range absolute blower flow rate was determined. Propane recovery tests using instrument grade propane were made after the calibration to confirm its accuracy. A copy of the calibration data was provided to the EPA Project Officer as a part of the qualification data package.

Daily propane recovery tests were made to confirm continued calibration of the CVS system. The measured propane mass recovered by the CVS had to be within $\pm$2.0 percent of the injected mass of up to 20 grams of instrument grade propane as determined gravimetrically. This concentration was measured on the 0-300 ppmC. FID range. A Rustrak chart recorder was used to continuously record CVS temperature.

A laminar flow element (Meriam Model 50 MC 2-4SF) was used for calibration of the CVS. Calibration of the laminar flow element (LFE) is traceable to the National Bureau of Standards, and a certified copy of the LFE calibration curve was furnished to the Project Officer at the time of laboratory qualification.

2.5.2 Emission Analysis Console

2.5.2.1 Dilute Exhaust Analysis Console

Complete calibrations of the mass emission analysis console instruments were performed initially and checked each week thereafter until testing was completed. Calibration curves for the emission analysis console CO, CO_2, HC and NOx instruments were established using the gases previously identified. The CO and CO_2 instruments were calibrated at seven somewhat evenly spaced points (zero and six upscale points) across each operating range. Calibrations of the HC and NOx instruments were performed at three somewhat evenly spaced points (zero and two upscale points) across each operating range. Calibration of these instruments was established and maintained within one percent of full scale for each range, respectively, or five percent of the measured value, whichever was smaller. A computer program provided by the EPA was used in the generation of the calibration curves.

In connection with each test it was required that the CVS sample bags be purged with nitrogen, evacuated and leak-checked. These operations were performed in a bag evacuate, N_2 purge, evacuate and leak-check sequence by means of a manual push-button selection of solenoids located within the CVS A leak in the system is indicated by a non-zero flow in the flow meters on the operator's console.

Other activities included zero and span point sets immediately prior to exhaust sample analysis and zero and span point verifications immediately following exhaust sample analysis. Strip chart recorders were operated through the zero and span set point calibration certification sequence. Verification tolerances were maintained within $\pm$1 percent (about the set point) of full scale of the range in use. The zero and span set point calibration verification tolerance for the modal measurements (steady states and Surveillance Driving Sequence) was $\pm$2 percent (about the set point) of full scale. Converter efficiency of the NOx converter was maintained above 90 percent. The noise level of analyzer outputs as indicated on the strip chart was maintained within $\pm$0.5 percent of full scale for the range used during both calibration and analysis.

2.5.2.2 Raw Exhaust Analysis Console

The NOx instrument used in the tailpipe emission analysis console as a lab instrument was calibrated using the same gases, calibration points, tolerances and verification frequency described above in connection with the NOx instrument used in the mass emission test console. Efficiency of this tailpipe NOx laboratory instrument thermal converter was checked daily. The NDIR NO analyzer used as a "garage" instrument was calibrated in a manner similar to the laboratory analyzer.

The undilute tailpipe HC/CO measurement instruments were operated in accordance with the manufacturer's recommendations except that these instruments were zeroed on nitrogen and spanned with analyzed span gases immediately prior to each test.

2.5.2.3 Daily Qualification Checks

Daily qualification checks included:

Leak check of each instrument as well as the system.

Recording zero, gain and tune, as applicable, for each instrument.

Hang-up and leak checks for background and sample bags and sample line.

NOx analyzer vacuum and converter efficiency checks.

Propane recovery tests to ensure proper FID operation as well as verification of the CVS calibration.

Recording of FID fuel and air pressures.

Recording cylinder number, concentration, deflection, cylinder pressure for each working gas.

In addition to the above daily checks, weekly calibration curve checks were made for each range of each instrument.

Appropriate calibrations, leak checks, etc., were also made whenever maintenance was performed which could change instrument or system operation.

2.5.2.4 Data Acquisition System

The data acquisition system was verified by performing manual checks of equipment performance and hand calculations from strip chart data. These calculations were then compared with the data provided by the DACC. This activity is verified by a Quality Assurance inspection for each test. A reasonableness check is performed for each critical data element. Any suspect data was verified by strip chart or calculation. Any data found to be in error was independently recalculated wherever possible or the test was rejected.

2.5.3 Motorcycle Dynamometer

Dynamometer speed was verified initially and monthly with a Strobotach. Road load force was determined using calibrated weights. Initially and then monthly thereafter, coastdowns were performed to verify the road load force versus inertia weight relationships as given in the FR, Vol. 42, No. 3, Section 86.529-78.

2.5.4 Sealed Housing for Evaporative Determinations (SHED)

The volume of each SHED used was determined by physical measurement. Calibration of thermocouples used in the SHED was verified by an ASTM thermometer as was the temperature recording instrument. Calibration curves were generated for each range of the Beckman 400 FID used in the analytical console. These curves were verified weekly.

For initial calibration, the FID was zeroed on zero grade prepurified air and calibrated at two upscale points (i.e. 45% and 90% of full scale) on each of the ranges used. The samehydrocarbon gas standards previously described were employed for this calibration. Curve fit tolerances and verification frequency were the same as those applied to the dilute emission analysis console instrument.

The SHED was subjected to a background hydrocarbon check, a calibration and a retention check prior to the first vehicle.

The background emissions check was performed by sealing the enclosure and allowing it to remain sealed for a period of four hours. Initial and final hydrocarbon readings were taken. The background emission rate was acceptable when it was less than the maximum increase of 0.4 grams for the four hours, as defined in FR Vol. 41, No. 164.

The SHED was calibrated by first purging with fresh air and then sealing the enclosure. Approximately 4 grams of instrument grade propane was injected into the enclosure after the enclosure was sealed. The mixing fans were operating during this injection. After five minutes of mixing, the stabilized hydrocarbon level of the enclosure was measured and the propane recovered was calculated. The quantity of the calculated recovery was maintained within ±2% of the injected amount.

The propane retention check was performed following the calibration. In this check the SHED was allowed to remain sealed for a minimum of four hours with the mixing blowers operating. At the end of this period the hydrocarbon level of the enclosure was measure and the hydrocarbon level in the SHED was calculated. For this check the hydrocarbon level is to be within ±4% of the initial reading as calculated. The SHED calibration and retention tests were performed monthly thereafter.

2.5.5 Miscellaneous Equipment

All miscellaneous equipment was calibrated or verified according to manufacturer's recommended practices. The CVS laminar flow element and barometers were calibrated by the Meriam Instruments Company.

2.6 TEST PROCEDURES

2.6.1 Vehicle Preparation

Each vehicle received a preliminary safety inspection as part of the procurement activity. This was done to ensure that the vehicle was safe to operate on the street. Upon acceptance for testing the vehicle's fuel tank was drained and refueled with test fuel to fifty percent of tank capacity. To ensure that test fuel has purged the fuel system the vehicle was driven for ten minutes on city streets or on the dynamometer for the first 505 seconds of the FTP. After the preconditioning run the vehicle was driven or pushed into the soak area for the required 12 to 20 hour soak at temperatures between 20°C and 30°C. Drive wheel tire pressure was set to the manufacturer recommended pressure.

2.6.1.1 Vehicle Preparation for Evaporative Emission Test

The preparation of vehicles for the evaporative emission test included the installation of Type J thermocouples. Several methods of thermocouple installation were investigated. The unique structure of motorcycle tanks required the installation of two thermocouples, one for the large volume side and one for the smaller side. Heating pads of 900 watt total capacity were

attached to the lower outside of each side of the tank to heat the test fuel.

2.6.1.2. Motorcycle Driveability Evaluation

An evaluation of the driveability of each motorcycle was performed prior to each FTP. The evaluation is essentially the same as that performed on EPA car projects with some minor items peculiar to motorcycles. Appendix K lists the items evaluated and the results for individual vehicles.

2.6.2 Equipment Preparation

Prior to the first test of the day and following any shut-down, equipment which had been idle or in a stand-by condition was activated to begin warm-up. This included the CVS water heater and mass pump and each of the analytical instruments. Following the warm-up of the respective instruments, efficiency of the NOx instrument thermal converter was checked and the propane recovery test which involved the CVS sample system and the FID hydrocarbon instrument was conducted. Subsequent to these checks, analyzer outputs, as indicated by the strip chart recorders and the DACC computer and printer, were checked for correlation by calibrating at zero and five volts. Shortly before the first vehicle test was to begin following the shut-down, the dynamometer was warmed-up. The prescribed 15 minutes of 50 kilometer per hour operation of the dynamometer was the warm-up procedure followed. Following warm-up, the speed calibration of the dynamometer, driver's aid recorder and associated indicating devices were also checked and calibrated as necessary.

Prior to each test, all charts are properly stamped to show, among other things, the vehicle number, run number, date and persons involved in the test.

2.6.3 Federal Exhaust Emission Test Procedure

The Federal Test Procedure as described in the FR Vol. 42, No. 3, January 5, 1979 was performed on all vehicles in the as-received condition.

The Federal Test Procedure consists of three individual parts. For motorcycles with engines greater than or equal to 170 cc the cold transient portion covers a distance of 5.78 kilometers at an average speed of 41.2 kph. Its duration is 505 seconds. The cold stabilized portion covers 6.29 kilometers at an average speed of 26.1 kph. Its duration is 869 seconds. The hot transient portion also has a duration of 505 seconds. It is preceded by a 10 minute soak and covers a 5.78 kilometers at an average speed of 41.2 kph.

The FTP for motorcycles with engines less than 170 cc consists of the same three parts but with distances of 4.65, 6.29 and 4.65 kilometers respectively. Average speeds are 33.2, 26.1 and 33.2 kph respectively.

The cold soak period used for these vehicles was 12 to 20 hours. Starting procedures and shift points were as recommended by each manufacturer. A second FTP was also performed on vehicles for which restorative maintenance was performed.

2.6.4 Evaporative Emission Test Procedure

The evaporative emission test procedure as generally described in the FR, Vol. 41, No. 164, August 23, 1976, was used for each of the 151 vehicles tested. The preparation necessary to the vehicle is described in Section 2.6.1. The volume of fuel used was 50% of tank volume. The heat build was 36°F over a one hour period, from 60°F (16°C) to 96°F (35°C).

Installation of heat build pads was not possible on a few motorcycles due to the location and configuration of their fuel tanks. The first hour of the procedure for these vehicles was therefore without heat build.

2.6.5 Highway Fuel Economy Test Procedure

The Highway Fuel Economy test was performed on 25 motorcycles with a displacement greater than 170 cc. The same vehicles used for the basic program were used for measurements in these tests.

Starting with each vehicle in a warmed-up condition (at least 12 km of cyclic operation having occurred within the last thirty-five minutes) each vehicle was operated on the chassis dynamometer at 80.5 kilometers per hour for a period of three minutes. Within one minute of the 80.5 kph cruise period the vehicle commenced operation over the 16.4 km, 765 second driving schedule. A CVS gas sample bag was used to gather the dilute exhaust for the purpose of emission and fuel economy calculations. The engine was running at the beginning of the sampling period. Actual distance traveled was measured and used for the calculations. Load settings and inertia weights were identical to those used for the FTP.

The tolerances of this driving schedule are identical to those defined in the basic Scope of Work. AESi developed the traces which include the 80.5 kph cruise period.

HC, CO, CO_2, NOx were measured and reported in grams per kilometer. Fuel consumption was calculated by the carbon balance method and reported in litres per 100 kilometers.

2.6.6 Modal Exhaust Emission Test Procedure

Modal exhaust emission measurements were made on 26 motorcycles. These measurements were comprised of two separate tests; the Steady States and the Surveillance Driving Sequence. Each test is preceded by a soak period no longer than twenty minutes from the last sustained vehicle operation. At the end of the soak period, the vehicle is operated on a chassis dynamometer at 80.5 kilometers per hour for a period of three minutes. During this time, the dynamometer horsepower setting is checked and adjusted if necessary. Within one minute after the end of the 80.5 kph cruise period, the vehicle is returned to idle and the test begun.

Steady state exhaust emissions are measured using the CVS dilute bag collection technique in the same manner as in the Federal Test Procedure (FTP). Measurements are taken at each speed successively from idle (0 kph) through

8.1, 16.1, 24.2, 48.2, 72.5, and 96.6 kph. Motorcycles with engines less than 170 cc were not subjected to the 72.5 and 96.6 kph steady states. The exhaust emissions are continuously monitored and recorded on a strip chart recorder. For continuous sampling, the analytical system was equipped with sample bypass to decrease delay time. Delay time from engine throttle change to all analyzer outputs was less than 10 seconds. Chart speed is approximately 7.6 cm per minute. At each speed, equilibrium of speed and all analyzer traces were maintained for at least 30 seconds before sampling was started. A minimum sample volume of 90 litres and minimum sample time of three minutes were used. Results for each steady state speed were reported in grams per kilometer (per minute for 0 kph) of HC, CO, CO_2 and NOx.

After the soak and preconditioning sequence specified above, the vehicle was operated at idle for one minute before the Surveillance Driving Sequence was begun. No sampling was done during the first 30 seconds. For the remainder of the mimute, dilute exhaust was directed through the sampling and analytical system. At the start of the Surveillance Driving Sequence, CVS dilute bag sampling was begun. The Sequence is made up of 32 accelerations and deceleration modes and 33 constant speed modes. These modes are combined into a 1054 second driving sequence. Vehicle operation and CVS bag and continuous sampling continued to the end of the schedule, at which point bag sampling was terminated. Continuous sampling was maintained with the engine at idle for an additional 20 seconds. Immediately upon completion of the test, the sample line was purged with air to establish a constant hydrocarbon "hang-up" level. The hydrocarbon concentration must drop to 5% of full scale in 10 seconds and 3% of full scale within three minutes after sampling. A check was made of the calibration of the exhaust emission instruments. A change in calibration at the span point or at zero in excess of $\pm$2% of full scale from the beginning to the end of the test on any one of the exhaust emission analyzers resulted in an invalid test.

A dilute exhaust sample from the CVS is continuously monitored and recorded on a strip chart recorder while the motorcycle is driven through the sequence on a chassis dynamometer. The mass emissions during each mode was calculated using the mass flow rate of the CVS and integrated concentration readings from the analyzers. Results were reported as grams of HC, CO, CO_2 and NOx per kilometer. In addition, the emissions for the entire sequence were calculated in two ways: 1) From the mass flow rate of the CVS and the concentration of emissions in the bag, and 2) From the mass flow of the CVS and the integrated concentrations from the continuously monitored sample for all 65 modes. A computer was used to perform the integration but did not alter the requirement for strip chart records.

Fuel consumption was calculated for each mode and for the entire sequence using the carbon balance method and reported as litres/100 km, except at idle where it is reported as litres/100 minutes.

2.6.7 Federal Short Cycle Test Procedure

The Federal Short Cycle is a 125 second, non-mode CVS test that follows the driving schedule shown below:

Mode	Time in Mode (Seconds)
0-26 kph (0-16 mph) acceleration	6
26-47 kph (16-29 mph) acceleration	23
47 kph (29 mph) cruise	10
47-60 kph (29-37 mph) acceleration	18
60-68 kph (37-42 mph) acceleration	4.5
68-60 kph (42-37 mph) deceleration	2.5
60-32 kph (37-20 mph) deceleration	32
32-0 kph (20-0 mph) deceleration	7.5
Idle	21.5
Total	125.0 seconds

The dynamometer loadings and transmission shift points followed were those given for the FTP. The mass emissions were computed by the following formula:

$$m = V\ d\ c/a$$

where

m = mass emissions in grams per kilometer (grams per mile)
v = total CVS flow
d = density of exhaust component
c = measured concentration in bag
a = actual distance used (theoretical cycle length 1.2128 km, 0.7536 mi.)

The Federal Short Cycle test was performed on 26 vehicles.

2.6.8 New York/New Jersey ACID Test Procedure

The New York/New Jersey Composite test is a 75 second long CVS test which consists of the following six modes:

Mode	Time in Mode (Seconds)
Idle	22
0-48 kph (0-30 mph) acceleration	15
48 kph (30 mph) cruise	15
48-16 kph (30-10 mph) deceleration	12
16 kph (10 mph) cruise	7
16-0 kph (10-0 mph) deceleration	4
Total	75 seconds

All vehicles were tested at an inertia mass of 230 kg (507 lbs) and 0.3 kw (0.4 hp) at 48 km/hr (30 mph). Transmission shift points for manual transmissions were those furnished by the motorcycle manufacturers.

Mass emissions were computed using the following formula:

$$m = V\ d\ c/a$$

where

m = mass emissions in grams per kilometer
v = total CVS flow
d = density of exhaust component
c = measure bag concentration
a = actual distance used (theoretical cycle length 0.4493 kilometers, 0.2792 miles)

The New York/New Jersey test was performed on 26 vehicles.

2.6.9 Two-Speed Idle Test Procedure

This test procedure has gone through several changes over the life of the project. Some variation of this procedure was performed on all but six vehicles. It was originally performed as part of the test sequence while the motorcycle was on the dynamometer. The undiluted pollutants measured were HC, CO and NO. HC and CO were measured with a garage type analyzer (two were used due to range differences). An NDIR NO instrument was used as a "garage" analyzer. Laboratory grade instruments were also used for HC (FID), CO (NDIR) and NOx (CL).

A change in the scope of work reduced the effort to a measurement at idle. This was performed immediately following the FTP (with the vehicle still on the dyno) and prior to the hot soak SHED test.

The procedure was again modified to obtain both 4000 rpm and idle measurements, but using the garage analyzer in the inspection and maintenance area rather than in the test cell. The test was performed immediately following the FTP preconditioning run for test #1 and test #2 (where applicable). On vehicles with multiple exhaust pipes, readings were taken for each pipe and averaged to obtain the reported figure.

2.6.10 Federal Three Mode Test Procedure

The test procedure consists of three steady-state operating modes with dynamometer loadings simulating the average power that occurs at the corresponding speed on the FTP (per FR, Vol. 42, No. 3, January 5, 1977). The vehicles were operated in each mode until emissions stabilized at which time undiluted exhaust emissions were recorded. Simultaneous measurements were taken using the same laboratory and garage type instruments as were used for the initial Two-Speed Idle tests. The test was conducted in the order of 52 mph (84 kph), 25 mph (40 kph) and idle. The high speed (84 kph) mode was not performed on vehicles less than 170 cc.

A tabulation of vehicle mass versus power in kilowatts for both high speed and low speed portions of the test were provided by EPA. Vehicles above and below 170 cc were treated differently. The vehicle mass used was the same as used for the FTP. The transmission range used for each mode was as follows:

High Speed Mode 52 mph (84 kph) for vehicles ≥170 cc

1. Drive if automatic
2. Highest gear if manual

Low Speed Mode 25 mph (40 kph)

1. Drive if automatic
2. In the gear the vehicle would be in at this speed during FTP, as specified in the shifting procedures.

Idle Mode

1. Automatic transmission in drive and neutral
2. Manual transmission in neutral and clutch disengaged.

The Federal Three Mode test was performed on 19 vehicles.

2.6.11 After-Test Procedures

After completion of each test sequence, the vehicle was taken to the inspection and maintenance area where the mechanic measured and recorded engine parameters including initial timing, idle speed, dwell, undiluted idle CO and undiluted idle HC. The procedures outlined in the owner's manual were followed in performing these diagnostics. Values were recorded on data cards. If the owner's manual was missing, the shop manual, or other available publication was used to determine these specifications. In some cases, the vehicle manufacturer was called upon to aid in determining specifications.

Prior to returning the vehicle to the owner the fuel tank was filled to full capacity with fuel currently being marketed in the test area. This fuel was suitable for use in the particular vehicle.

2.6.12 Restorative Maintenance Inspection

A restorative maintenance inspection procedure for motorcycles was initiated under another EPA contract (No. 68-03-2413). This effort was applied to seventy-five 1977 model year motorcycles. A second FTP to show effectiveness of the repair action was also included. These data are included in this report.

A change in the scope of work extended restorative maintenance inspections to all 1977 model year motorcycles tested and to twenty-five of the 1978 model year motorcycles tested.

Manufacturer's inspection procedures and specifications as defined in their workshop manuals were utilized. The specific report as shown in Appendix L was completed for each inspection performed.

All parameters and components not within manufacturer specifications were restored and the vehicle retested with an FTP and HFET (until deleted) and later, a Two-Speed Idle test. Non-original-equipment-manufacturer parts

were replaced as part of this restoration. This included everything from exhaust systems and mufflers to spark plugs. Sprockets and tires were not replaced. Tires were required to be street legal however. Accessory equipment (fairings, bags, etc.) was not removed unless necessary for evaporative test heat-build access or dynamometer clearance.

2.6.13 Safety Inspection

A prescribed safety inspection was performed on every motorcycle tested. The data forms were submitted to EPA with each test packet. The information included checks of all OEM safety equipment and noted modifications and the addition of accessories. Significant variables were measured and recorded on the data forms.

2.6.14 Daily Test Schedule Procedure

Test shifts were generally limited to the first and second shifts of the day. Vehicles scheduled for test the next day were usually preconditioned on the second shift. A written clearance was necessary before preconditioning to ensure that any required inspections and maintenance had been completed. Daily calibration checks and system preparation (as described in Section 2.5) were performed prior to the first test of the testing day and tests were scheduled with this in mind.

2.7 DATA HANDLING

2.7.1 Data Collection

Various forms were developed for the recording of significant test information. These data forms are supported by various strip charts and computer printouts from the AESi DACC. The forms were designed to enable direct keypunching in the formats defined by EPA.

The information included a thorough description of each vehicle and its test and inspection parameters, its driveability characteristics and its use characteristics in the form of an owner questionnaire.

Exhaust emission test results include ambient temperature, barometric pressure, humidity, and mass equivalent of HC, CO, CO_2, and NOx both as measured and corrected for relative humidity. Idle emissions were recorded as ppm/Hexane for hydrocarbons and % CO for carbon monoxide.

Fuel consumption, in litres per 100 kilometers was calculated from bag data according to the carbon balance technique and reported for each vehicle. The carbon balance technique used was provided by the Project Officer.

2.7.2 Data Processing

All of the exhaust emissions data were calculated at the time of test by the AESi DACC. This computer was checked at least monthly using independent calculations from the analyzer strip charts to ensure its validity. Evaporative emissions calculations were performed on a different computer after

the test was checked for validity.

These results were reported on a weekly and a cumulative monthly basis using the keypunched cards prepared for submittal to EPA.

2.7.3 Quality Control

The quality assurance program applied to this project monitors every aspect of each emissions test. This includes operator and driver performance, the sampling system, ambient test conditions, analyzer performance, gases, fuel, dynamometer settings and all data processing. In addition, all other data submitted as part of this project received the inspection of the Quality Assurance section. Approximately 2% of packets were returned by the Project Officer.

2.7.4 Calculation of Results

2.7.4.1 Federal Test Procedure

Test results were calculated based on the procedure presented in the FR Vol. 42, No. 3, January 5, 1977, paragraph 86.544-78. Actual distance was used in the grams per kilometer calculation for each test phase instead of theoretical distance. Fuel consumption was calculated using the carbon balance method and was reported in litres per 100 km.

2.7.4.2 Evaporative Emissions

Since there was no specific calculation for evaporative emissions from motorcycles, the appropriate calculation was taken from the FR Vol. 41, No. 164, August 23, 1976, that pertains to light duty vehicles and trucks.

Test procedure differences are as noted in Section 2.6.4. Two different SHEDs were used during the accomplishment of this project, one an AESi car SHED of 47.642 m^3 volume and the other an AESi motorcycle SHED of 23.779 m^3 volume. A standard motorcycle volume of 0.142 m^3 was used in the calculation.

2.7.4.3 Highway Fuel Economy

The calculation of the Highway Fuel Economy test emissions and fuel consumption was the same as for the FTP except that actual distance for the HFET schedule driven was used.

2.7.4.4 Modal Emissions

The emissions from the steady state tests and the Surveillance Driving Sequence were collected, analyzed and calculated using the same procedure as for the FTP. The steady state test bag samples were collected for a period of three minutes after stabilization. Actual distance was again used. Idle modes were reported as grams per minute. Fuel consumption at idle was reported as litres per 100 minutes.

The 65 modes within the Surveillance Driving Sequence were also analyzed continuously and integrated by the DACC computer to determine the mass emissions and fuel consumption for each mode.

2.7.4.5 Federal Short Cycle Emissions Test

The calculation of the Federal Short cycle test emissions and fuel consumption was the same as for the FTP except that actual distance was used.

The mass emissions were computed by the following formula:

$$m = V d c/a$$

where

m = mass emissions in grams per kilometer (grams per mile)
v = total CVS flow
d = density of exhaust component
c = measure concentration in bag
a = actual distance used (theoretical cycle length 1.2128 km, 0.7536 mi)

2.7.4.6 New York/New Jersey Emissions Test

The calculation of the New York/New Jersey test emissions and fuel consumption was the same as for the FTP except that actual distance was used.

Mass emissions were computed using the following formula:

$$m = V d c/a$$

where

m = mass emissions in grams per kilometer
v = total CVS flow
d = density of exhaust component
c = measured bag concentration
a = actual distance used (theoretical cycle length 0.4493 kilometers, 0.2792 miles)

2.7.4.7 Two-Speed Idle Emissions

Emissions for the Two-Speed Idle tests performed with the vehicle on the dynamometer consisted of a five second analyze time after stabilization had occurred. The DACC collects ten readings per second and averages them and reports that value.

The Two-Speed Idle tests performed off the dynamometer utilized a garage analyzer with concentration determined from the meter reading, when more than one exhaust pipe was on the vehicle, all were sampled and recorded and numerically averaged to obtain the reported values.

2.7.4.8 Federal Three Mode Emissions

All Federal Three Mode Emissions tests were performed with the vehicle on the dynamometer using the same computer procedure described for the Two-Speed Idle.

SECTION 3

DISCUSSION OF TEST RESULTS

3.1 TEST FLEET DESCRIPTION

The test fleet of 150 vehicles is made up of 1977-1978 model year vehicles representative of the national vehicle population. Substitution was allowed within make and model year. The final vehicle matrix by make and model year is shown in Table 1. The characteristics of these vehicles by inertia weight, engine displacement and number of engine cylinders is shown in Table 2.

The vehicle numbering system used sequential numbers from 001 to 125 for pre-controlled vehicles. These are 1977 model year vehicles or 1978 model year vehicles built in advance of January 1, 1978. Vehicles numbered 126 and above are all 1978 model year vehicles built after January 1, 1978 and were thus subject to 1978 emission standards.

3.2 FEDERAL TEST PROCEDURE EMISSIONS AND FUEL CONSUMPTION

The FTP emissions and fuel consumption data are summarized in Table 3 (by model year), Table 8 (by make and model year compared with short cycle tests), and Table 11 (by make and model year for test 1 and test 2 compared with the HFET) and for individual vehicles in Appendix D. As a result of contract modifications, a number of the categories were unfilled, therefore the entries are zero.

The driving schedule for motorcycles greater than or equal to 170 cc is the same as for automobiles. Motorcycles less than 170 cc displacement followed a schedule of the same time length but lower peak speeds and average speed.

3.3 VEHICLES MEETING 1978/1979 FEDERAL EXHAUST EMISSION STANDARDS

Table 4 presents a summary of the number of vehicles meeting one or both of the Federal standards. A tabulation is presented for both test 1 (as received) and test 2 (after restorative maintenance).

3.4 EVAPORATIVE EMISSIONS

The evaporative emissions test was performed on all vehicles using the SHED technique. The results are summarized in Table 5 and listed for individual vehicles in Appendix C.

3.5 HIGHWAY FUEL ECONOMY AND EMISSIONS

The HFET emissions and fuel consumption data are summarized in Table 7 (by make and model), in Table 11 (by make and model year for test 1 and test 2 compared with the FTP) and listed in Appendix E for individual vehicles. This test was deleted prior to the testing of any 1978 model year vehicles.

3.6 MODAL EMISSIONS AND FUEL ECONOMY

The Modal Emissions and fuel consumption data are summarized in Table 6 for all vehicles tested (all were 1977 models) and listed in Appendix F for individual vehicles. Vehicles less than 170 cc did not receive the 45 mph (72.5 kph) or 60 mph (96.6 kph) steady state tests so these zero data points were not included in the average. Modal testing was discontinued prior to the testing of any 1978 model year vehicles.

3.7 FEDERAL SHORT CYCLE EMISSIONS

The Federal Short Cycle emissions data are summarized in Table 8 and with fuel consumption data for individual vehicles in Appendix G. This test was also discontinued prior to the testing of any 1978 model year vehicles.

3.8 NEW YORK/NEW JERSEY EMISSIONS

The New York/New Jersey emissions data are summarized in Table 8 and with fuel consumption data for individual vehicles in Appendix H. This test was deleted prior to the testing of any 1978 model year vehicles.

3.9 TWO-SPEED IDLE EMISSIONS

The Two-Speed Idle emissions data are summarized in Table 8 and for individual vehicles in Appendix I. Due to the changes in the data collected, there was a large number of categories for which data are missing. Data not collected are shown in Appendix I as a minus zero (-0. or -0.00). Five vehicles were off-scale on the hydrocarbon emissions. These are entered in the data base as 99999. Since these points are statistical outliers, they were deleted from the summaries.

3.10 FEDERAL THREE MODE EMISSIONS

The Federal Three Mode emissions data are summarized in Table 8 and for individual vehicles in Appendix J. This test was deleted prior to the testing of any 1978 model year vehicles. Some hydrocarbon values were also off-scale and were handled in the same manner as for the Two-Speed Idle.

3.11 MALADJUSTMENT AND DISABLEMENT INSPECTION RESULTS

A Summary of vehicle maladjustments is given in Table 9. This summary is extracted from the data on individual vehicles presented in Appendix L (Inspection). Table 10 presents a summary on non-OEM equipment also taken from Appendix L (Inspection).

3.12 BEFORE AND AFTER RESTORATIVE MAINTENANCE FTP AND HFET EMISSIONS AND FUEL CONSUMPTION

A summary of the before and after restorative maintenance FTP and HFET emissions and fuel consumption results is presented in Table 11. The data were drawn from Appendices D and E.

3.13 RESTORATIVE MAINTENANCE COSTS

The parts utilized in the restoration of each motorcycle to manufacturer's specifications and the labor to perform the restorative maintenance inspection and restoration are summarized in Table 12. A labor rate of $20/hr was used. Parts costs were based on list prices. The inspection and restoration costs were found to be an average of $47.83 for ninety-four 1977 motorcycles and $29.52 for twenty-six 1978 motorcycles.

TABLE 1

SUMMARY OF VEHICLE MAKES

LOS ANGELES

MAKE	1977	1978	TOTAL
BMW	1	0	1
Harley Davidson	0	2	2
Honda	54	14	68
Kawasaki	17	22	39
Suzuki	10	9	19
Yamaha	20	1	21
Totals	102	48	150

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TABLE 2

SUMMARY OF TEST VEHICLE CHARACTERISTICS BY MODEL YEAR

LOS ANGELES

INERTIA WT. (KG)	1977	1978	TOTAL
140	2	0	2
160	4	0	4
180	7	0	7
190	2	0	2
200	5	0	5
210	1	6	7
220	0	2	2
230	3	0	3
240	2	0	2
260	0	1	1
270	2	2	4
280	21	0	21
300	11	0	11
310	2	0	2
320	6	5	11
330	3	1	4
350	4	3	7
360	16	20	36
370	4	5	9
400	7	0	7
410	0	2	2
490	0	1	1
Totals	102	48	150
ENGINE DISPLACEMENT (CUBIC CENTIMETERS)			
Under 170	16	0	16
170-279	5	5	10
280 & Over	81	43	124
Totals	102	48	150
NUMBER OF ENGINE CYLINDERS			
1	26	8	34
2	23	10	33
3	3	0	3
4	50	30	80
Totals	102	48	150

TABLE 3

SUMMARY OF
EXHAUST EMISSION TEST RESULTS BY MODEL YEAR
1978 FEDERAL TEST PROCEDURE

LOS ANGELES

EXHAUST EMISSIONS IN GRAMS PER KILOMETER
FUEL CONSUMPTION IN LITERS PER 100 KILOMETERS

MODEL YEAR	NUMBER OF VEHICLES	AVERAGE ODOMETER	HC		CO		CO2		NOXC		FUEL CONS.	
			MEAN	S.D.	MEAN	S.D.	MEAN	S.D.	MEAN	S.D.	MEAN	S.D.
1977	102.	6146.	3.44	3.55	26.48	15.84	69.09	26.58	.30	.27	5.19	1.71
1978	48.	4899.	2.34	1.38	16.62	6.52	94.96	20.85	.51	.18	5.48	1.08
TOTALS	150.	5804.	3.09	3.07	23.32	14.31	77.36	27.62	.37	.26	5.28	1.54

TABLE 4

MOTORCYCLES MEETING 1978/1979 STANDARDS

LOS ANGELES

MODEL YEAR	NO. OF VEHICLES	HC* 50CC-169CC ≤5G/KM NO.	HC* 170CC-749CC 5 TO 14G/KM NO.	HC* >750CC ≤14G/KM NO.	HC* TOTAL NO.	HC* TOTAL PCT	CO >50CC ≤17G/KM NO.	CO >50CC ≤17G/KM PCT	PASSED BOTH NO.	PASSED BOTH PCT
As Received										
1977	102	15	66	12	93	91	40	39	38	37
1978	48	0	37	11	48	100	28	58	28	58
Totals	150	15	103	23	141	94	68	45	66	44
After Restorative Maintenance										
1977	94	15	62	12	89	95	42	45	40	43
1978	26	0	22	4	26	100	20	77	20	77
Totals	120	15	84	16	115	96	62	52	60	50

For vehicles with engine displacements equal to or greater than 170 cc but less than 750 cc the HC standard is computed by use of the following formula, rounded in accordance with ASTM E29-67 to two significant figures: Hydrocarbon standard in grams per vehicle kilometer = 5.0 + 0.0155X (D-170). D = engine displacement of the motorcycle in cubic centimeters.

TABLE 5

SUMMARY OF EVAPORATIVE EMISSIONS RESULTS

BY MANUFACTURER AND BY MODEL YEAR

LOS ANGELES

MAKE	1977 NO. OF VEHICLES	1977 GRAMS/TEST MEAN	1977 GRAMS/TEST S.D.	1978 NO. OF VEHICLES	1978 GRAMS/TEST MEAN	1978 GRAMS/TEST S.D.	TOTAL NO. OF VEHICLES
BMW	1	19.30	-	0	-	-	1
Harley Davidson	0	-	-	2	23.15	3.10	2
Honda	54	13.21	8.98	14	12.58	7.36	68
Kawasaki	17	21.15	8.70	22	26.78	6.32	39
Suzuki	10	20.62	5.65	9	19.23	11.65	19
Yamaha	20	10.33	7.00	1	18.94	-	21
Totals	102	14.75	9.06	48	20.91	9.68	150

TABLE 6

SUMMARY OF MODAL EMISSION RESULTS

LOS ANGELES

EXHAUST EMISSIONS IN GRAMS PER KM(PER MIN AT IDLE)
FUEL CONSUMPTION IN LITERS PER 100 KMS(PER 100 MIN AT IDLE)
THE NUMBER OF LESS THAN 170CC BIKES = 1.
THE NUMBER OF MORE THAN 170CC BIKES = 25.

MODE	T,SEC	HC	CO	CO2	NOX	FUEL CON	MODE	T,SEC	HC	CO	CO2	NOX	FUEL CON
1	10	1.04	8.02	26.2	.01	1.80	2	12	4.24	45.28	113.6	.04	8.45
3	15	2.96	27.89	59.3	.31	4.80	4	16	3.90	32.06	65.0	.14	5.45
5	10	1.56	7.08	20.4	.01	1.56	6	8	7.46	54.46	145.0	0.00	10.84
7	15	5.37	41.20	86.2	.10	7.17	8	11	4.01	40.93	82.3	.06	6.80
9	15	2.75	28.58	59.1	.20	4.81	10	13	2.38	34.10	75.2	.12	5.81
11	15	2.33	28.12	60.9	.46	4.80	12	12	2.07	20.89	43.2	.29	3.52
13	15	3.17	24.02	50.7	.10	4.20	14	17	2.61	41.26	90.6	.29	6.98
15	15	2.95	35.45	77.3	.59	6.07	16	12	2.25	23.26	51.4	.61	4.06
17	15	2.33	26.65	57.1	.20	4.54	18	14	2.18	35.46	84.5	.39	6.28
19	16	2.43	32.57	77.7	.67	5.83	20	30	2.26	21.84	51.0	.45	3.94
21	15	7.03	31.94	73.5	.06	6.23	22	26	3.39	40.44	90.9	.50	7.05
23	15	2.50	31.71	77.7	.68	5.78	24	21	2.65	21.95	50.1	.61	3.97
25	10	1.91	6.62	21.0	.03	1.60	26	32	3.53	40.35	94.3	.53	7.20
27	15	2.48	32.93	76.5	.65	5.81	28	23	2.05	21.62	48.9	.46	3.81
29	15	3.70	24.24	50.9	.08	4.30	30	9	2.91	24.33	50.4	.10	4.17
31	15	5.49	34.25	76.6	.07	6.31	32	8	10.14	59.42	125.9	.06	10.72
33	10	1.26	8.08	21.9	.02	1.65	34	22	3.59	37.75	91.8	.31	6.93
35	15	2.32	27.62	60.3	.48	4.73	36	16	2.33	20.71	43.5	.29	3.56
37	15	6.79	32.07	73.1	.08	6.19	38	18	3.37	38.27	86.4	.15	6.71
39	15	2.62	28.38	61.6	.54	4.88	40	19	3.02	23.49	50.7	.34	4.15
41	10	1.82	6.55	20.9	.02	1.58	42	25	4.02	45.20	99.6	.44	7.82
43	15	2.92	35.19	76.0	.61	6.00	44	28	2.83	22.76	51.1	.47	4.09
45	10	2.00	7.65	25.3	.02	1.86	46	15	5.21	44.57	104.5	.07	8.15
47	15	2.88	28.25	58.4	.22	4.77	48	25	2.58	36.42	82.7	.39	6.31
49	16	2.56	33.05	76.4	.66	5.82	50	18	2.10	20.41	45.0	.51	3.57
51	16	3.88	23.13	50.3	.08	4.22	52	10	4.15	31.07	66.5	.16	5.48
53	10	1.33	7.57	21.3	.04	1.60	54	38	3.25	37.40	90.0	.54	6.78
55	15	2.33	31.05	75.9	.64	5.63	56	35	2.75	22.63	53.5	.48	4.17
57	10	1.99	6.61	21.5	.02	1.63	58	18	5.03	47.14	99.6	.08	8.09
59	15	2.78	28.71	57.9	.19	4.77	60	21	2.64	39.20	86.1	.34	6.66
61	15	2.69	35.31	75.4	.60	5.94	62	14	2.15	20.38	43.0	.55	3.49
63	15	3.75	22.12	49.3	.11	4.09	64	13	3.92	30.08	64.1	.15	5.28
65	12	1.55	6.93	19.6	.02	1.51							
BAG		3.01	31.31	66.5	.42	5.34							
INTEG		3.11	31.90	72.7	.43	5.66							
0KPH		.99	5.79	14.7	.01	1.15	8KPH		8.25	60.48	129.5	.09	10.69
16KPH		5.28	45.98	85.5	.07	7.44	24KPH		4.57	41.37	68.1	.06	6.30
48KPH		2.10	29.39	49.9	.08	4.38	72KPH		1.71	24.70	58.4	.32	4.38
97KPH		2.23	28.62	77.4	.58	5.52							

TABLE 7

SUMMARY OF HIGHWAY FUEL ECONOMY RESULTS
BY MANUFACTURER AND MODEL YEAR

LOS ANGELES

EXHAUST EMISSIONS IN GRAMS PER KILOMETER
FUEL CONSUMPTION IN LITERS PER 100 KILOMETERS

MFG.	NUMBER OF VEHICLES	AVERAGE ODOMETER	HC MEAN	HC S.D.	CO MEAN	CO S.D.	CO2 MEAN	CO2 S.D.	NOXC MEAN	NOXC S.D.	FUEL CONS. MEAN	FUEL CONS. S.D.
1977 MODEL YEAR												
HOND	4.	4445.	.98	.44	18.15	16.63	73.00	30.88	.67	.63	4.46	.54
KAWA	11.	3907.	3.10	4.81	27.57	14.90	67.64	18.02	.42	.40	5.06	1.18
SUZU	3.	10270.	2.36	1.28	46.27	17.52	60.20	18.57	.13	.08	5.99	.78
YAMA	7.	5263.	.78	.29	23.23	7.99	57.19	8.63	.42	.34	4.10	.56
TOT.	25.	5201.	2.02	3.31	27.09	15.25	64.68	18.34	.43	.41	4.81	1.06

TABLE 8

SUMMARY OF FTP, FEDERAL SHORT CYCLE, NY/NJ, 2-SPEED IDLE,
AND FEDERAL 3-MODE TESTS BY MANUFACTURER AND MODEL YEAR

LOS ANGELES

FTP, FSC, NY/NJ EMISSIONS IN GRAMS PER KILOMETER.
2-SPD, F3-M EMISSIONS IN PPM HEXANE, PERCENT CO AND PPM NO.
FOR 2-SPD, F3-M TESTS: OFF SCALE AND ZERO VALUES DELETED FROM STATS

MFG.	NUMBER OF VEHICLES	TEST TYPE	HC MEAN	HC S.D.	CO MEAN	CO S.D.	CO2 MEAN	CO2 S.D.	NOXC MEAN	NOXC S.D.
1977 MODEL YEAR										
BMW	1.	FEDERAL TEST PROCEDURE	2.53	0.00	36.31	0.00	86.02	0.00	.23	0.00
	0.	FEDERAL SHORT CYCLE	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	0.	NY/NJ TEST PROCEDURE	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	1.	2-SPEED IDLE - 4000 RPM	400.	0.00	0.00	0.00			0.	0.00
	1.	IDLE RPM	325.	0.00	5.15	0.00			0.	0.00
	0.	FEDERAL 3-MODE - 84 KPH	0.	0.00	0.00	0.00			0.	0.00
	0.	- 40 KPH	0.	0.00	0.00	0.00			0.	0.00
	0.	- IDLE N	0.	0.00	0.00	0.00			0.	0.00
HOND	54.	FEDERAL TEST PROCEDURE	1.98	.89	19.58	11.34	73.15	31.52	.43	.31
	4.	FEDERAL SHORT CYCLE	1.99	.67	22.23	9.13	64.12	31.71	.29	.24
	4.	NY/NJ TEST PROCEDURE	3.26	1.45	28.53	8.33	72.27	40.02	.20	.16
	42.	2-SPEED IDLE - 4000 RPM	426.	388.89	4.28	2.59			206.	68.38
	54.	IDLE RPM	551.	392.23	4.59	3.02			178.	51.74
	4.	FEDERAL 3-MODE - 84 KPH	2015.	3416.50	4.50	4.34			1467.	651.36
	4.	- 40 KPH	537.	267.84	6.12	3.07			394.	209.38
	4.	- IDLE N	489.	223.01	4.44	1.11			227.	159.10

TABLE 8

SUMMARY OF FTP, FEDERAL SHORT CYCLE, NY/NJ, 2-SPEED IDLE, AND FEDERAL 3-MODE TESTS BY MANUFACTURER AND MODEL YEAR

LOS ANGELES

FTP, FSC, NY/NJ EMISSIONS IN GRAMS PER KILOMETER.
2-SPD, F3-M EMISSIONS IN PPM HEXANE, PERCENT CO AND PPM NO.
FOR 2-SPD, F3-M TESTS: OFF SCALE AND ZERO VALUES DELETED FROM STATS

MFG.	NUMBER OF VEHICLES	TEST TYPE	HC MEAN	HC S.D.	CO MEAN	CO S.D.	CO2 MEAN	CO2 S.D.	NOXC MEAN	NOXC S.D.
1977 MODEL YEAR										
KAWA	17.	FEDERAL TEST PROCEDURE	5.55	4.22	40.96	17.69	77.42	20.43	.20	.15
	12.	FEDERAL SHORT CYCLE	5.29	4.09	49.46	24.68	106.02	70.00	.24	.22
	12.	NY/NJ TEST PROCEDURE	5.99	5.20	39.42	21.75	78.90	29.70	.16	.25
	8.	2-SPEED IDLE - 4000 RPM	480.	346.15	7.52	1.68			211.	120.72
	8.	IDLE RPM	733.	559.49	4.74	2.31			184.	110.21
	5.	FEDERAL 3-MODE - 84 KPH	750.	742.24	6.56	3.57			861.	1014.73
	5.	- 40 KPH	883.	585.76	7.25	2.45			271.	169.14
	5.	- IDLE N	1282.	1012.85	5.10	2.37			194.	144.83
SUZU	10.	FEDERAL TEST PROCEDURE	6.01	3.08	43.94	14.35	63.01	11.15	.12	.06
	3.	FEDERAL SHORT CYCLE	7.38	6.21	53.72	17.10	56.17	13.28	.06	.02
	3.	NY/NJ TEST PROCEDURE	5.07	2.30	44.45	12.94	69.17	10.28	.08	.02
	6.	2-SPEED IDLE - 4000 RPM	829.	1008.48	6.08	2.76			228.	48.21
	7.	IDLE RPM	600.	399.07	4.83	3.06			217.	71.18
	3.	FEDERAL 3-MODE - 84 KPH	484.	10.58	9.41	.60			282.	126.60
	3.	- 40 KPH	765.	301.75	8.78	1.22			317.	188.13
	3.	- IDLE N	889.	466.47	7.12	.77			240.	103.59
YAMA	20.	FEDERAL TEST PROCEDURE	4.34	5.56	23.58	10.83	53.21	12.89	.14	.10
	7.	FEDERAL SHORT CYCLE	.90	.28	24.74	4.80	48.51	8.00	.14	.07
	7.	NY/NJ TEST PROCEDURE	1.29	.55	29.10	8.84	58.23	7.95	.09	.03
	15.	2-SPEED IDLE - 4000 RPM	394.	440.87	5.81	3.09			160.	21.77
	15.	IDLE RPM	384.	446.25	3.66	2.07			139.	36.74
	7.	FEDERAL 3-MODE - 84 KPH	211.	111.42	6.27	1.52			950.	599.65
	7.	- 40 KPH	204.	48.18	6.84	.52			237.	47.16
	7.	- IDLE N	251.	132.32	5.07	1.78			147.	29.60

TABLE 8

SUMMARY OF FTP, FEDERAL SHORT CYCLE, NY/NJ, 2-SPEED IDLE,
AND FEDERAL 3-MODE TESTS BY MANUFACTURER AND MODEL YEAR

LOS ANGELES

FTP, FSC, NY/NJ EMISSIONS IN GRAMS PER KILOMETER.
2-SPD, F3-M EMISSIONS IN PPM HEXANE, PERCENT CO AND PPM NO.
FOR 2-SPD, F3-M TESTS: OFF SCALE AND ZERO VALUES DELETED FROM STATS

MFG.	NUMBER OF VEHICLES	TEST TYPE	HC MEAN	HC S.D.	CO MEAN	CO S.D.	CO2 MEAN	CO2 S.D.	NOXC MEAN	NOXC S.D.
1978 MODEL YEAR										
HARL	2.	FEDERAL TEST PROCEDURE	2.36	1.20	15.28	4.78	104.31	10.08	.84	.45
	0.	FEDERAL SHORT CYCLE	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	0.	NY/NJ TEST PROCEDURE	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	2.	2-SPEED IDLE - 4000 RPM	181.	44.55	1.82	1.94			0.	0.00
	2.	IDLE RPM	1313.	689.43	5.00	.28			0.	0.00
	0.	FEDERAL 3-MODE - 84 KPH	0.	0.00	0.00	0.00			0.	0.00
	0.	- 40 KPH	0.	0.00	0.00	0.00			0.	0.00
	0.	- IDLE N	0.	0.00	0.00	0.00			0.	0.00
HOND	14.	FEDERAL TEST PROCEDURE	1.78	.61	12.64	3.15	86.36	30.15	.47	.19
	0.	FEDERAL SHORT CYCLE	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	0.	NY/NJ TEST PROCEDURE	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	14.	2-SPEED IDLE - 4000 RPM	173.	207.40	2.04	1.17			0.	0.00
	13.	IDLE RPM	274.	198.99	2.18	1.40			0.	0.00
	0.	FEDERAL 3-MODE - 84 KPH	0.	0.00	0.00	0.00			0.	0.00
	0.	- 40 KPH	0.	0.00	0.00	0.00			0.	0.00
	0.	- IDLE N	0.	0.00	0.00	0.00			0.	0.00

TABLE 8

SUMMARY OF FTP, FEDERAL SHORT CYCLE, NY/NJ, 2-SPEED IDLE,
AND FEDERAL 3-MODE TESTS BY MANUFACTURER AND MODEL YEAR

LOS ANGELES

FTP, FSC, NY/NJ EMISSIONS IN GRAMS PER KILOMETER.
2-SPD, F3-M EMISSIONS IN PPM HEXANE, PERCENT CO AND PPM NO.
FOR 2-SPD, F3-M TESTS: OFF SCALE AND ZERO VALUES DELETED FROM STATS

MFG.	NUMBER OF VEHICLES	TEST TYPE	HC MEAN	HC S.D.	CO MEAN	CO S.D.	CO2 MEAN	CO2 S.D.	NOXC MEAN	NOXC S.D.
1978 MODEL YEAR										
KAWA	22.	FEDERAL TEST PROCEDURE	2.99	1.70	19.89	7.62	103.91	9.84	.51	.16
	0.	FEDERAL SHORT CYCLE	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	0.	NY/NJ TEST PROCEDURE	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	22.	2-SPEED IDLE - 4000 RPM	340.	411.13	3.97	1.91			0.	0.00
	21.	IDLE RPM	498.	353.50	2.62	1.82			0.	0.00
	0.	FEDERAL 3-MODE - 84 KPH	0.	0.00	0.00	0.00			0.	0.00
	0.	- 40 KPH	0.	0.00	0.00	0.00			0.	0.00
	0.	- IDLE N	0.	0.00	0.00	0.00			0.	0.00
SUZU	9.	FEDERAL TEST PROCEDURE	1.69	.74	14.95	4.14	87.87	16.01	.51	.09
	0.	FEDERAL SHORT CYCLE	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	0.	NY/NJ TEST PROCEDURE	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	9.	2-SPEED IDLE - 4000 RPM	171.	130.95	4.28	2.68			0.	0.00
	8.	IDLE RPM	226.	192.44	2.99	2.16			0.	0.00
	0.	FEDERAL 3-MODE - 84 KPH	0.	0.00	0.00	0.00			0.	0.00
	0.	- 40 KPH	0.	0.00	0.00	0.00			0.	0.00
	0.	- IDLE N	0.	0.00	0.00	0.00			0.	0.00
YAMA	1.	FEDERAL TEST PROCEDURE	1.47	0.00	17.82	0.00	63.44	0.00	.30	0.00
	0.	FEDERAL SHORT CYCLE	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	0.	NY/NJ TEST PROCEDURE	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	1.	2-SPEED IDLE - 4000 RPM	0.	0.00	.05	0.00			0.	0.00
	1.	IDLE RPM	5.	0.00	.16	0.00			0.	0.00
	0.	FEDERAL 3-MODE - 84 KPH	0.	0.00	0.00	0.00			0.	0.00
	0.	- 40 KPH	0.	0.00	0.00	0.00			0.	0.00
	0.	- IDLE N	0.	0.00	0.00	0.00			0.	0.00

TABLE 9

SUMMARY OF VEHICLE MALADJUSTMENTS

FOR 130 VEHICLES RECEIVING RESTORATIVE MAINTENANCE INSPECTIONS

LOS ANGELES

SYSTEM	BMW 1 VEHICLE		HONDA 62 VEHICLES		KAWASAKI 31 VEHICLES		SUZUKI 16 VEHICLES		YAMAHA 20 VEHICLES	
	NO.	%	NO.	%	NO.	%	NO.	%	NO.	%
Induction	0	-	0	-	0	-	0	-	0	-
Carb & Fuel	1	100	48	77	27	87	15	94	17	85
Ignition	1	100	42	68	22	71	11	69	10	50
Crankcase Ventilation	0	-	0	-	0	-	0	-	0	-
Exhaust	0	-	0	-	0	-	0	-	0	-
Internal Engine	1	100	45	73	2	6	7	44	7	35
Drive Train	0	-	22	35	10	32	2	13	7	35

NOTE: Vehicles with maladjustments of a system were only counted once even if more than one item in the system was maladjusted.

TABLE 10

SUMMARY OF NON-OEM EQUIPMENT

FOR 130 VEHICLES RECEIVING RESTORATIVE MAINTENANCE INSPECTIONS

LOS ANGELES

SYSTEM	BMW 1 VEHICLE		HONDA 62 VEHICLES		KAWASAKI 31 VEHICLES		SUZUKI 16 VEHICLES		YAMAHA 20 VEHICLES	
	NO.	%	NO.	%	NO.	%	NO.	%	NO.	%
Induction	0	-	0	-	1	3	0	-	2	10
Carb & Fuel	0	-	1	2	1	3	0	-	1	5
Ignition	1	100	7	11	1	3	0	-	0	-
Crankcase Ventilation	0	-	0	-	0	-	0	-	0	-
Exhaust	0	-	0	-	0	-	0	-	1	5
Internal Engine	0	-	0	-	1	3	0	-	0	-
Drive Train	0	-	0	-	1	3	0	-	0	-

NOTE: Vehicles with multiple non-OEM parts on one system were counted only once for that system. All 1978 vehicles inspected had OEM equipment.

TABLE 11

SUMMARY OF FTP AND HFET RESULTS BEFORE
AND AFTER RESTORATIVE MAINTENANCE

LOS ANGELES

EXHAUST EMISSIONS IN GRAMS PER KILOMETER
FUEL CONSUMPTION IN LITERS PER 100 KILOMETERS
SN=1, AS RECEIVED; SN=2, AFTER REST. MAINT.

MFG	NUMBER OF VEHICLES	TEST TYPE	SN	HC MEAN	HC S.D.	CO MEAN	CO S.D.	CO2 MEAN	CO2 S.D.	NOXC MEAN	NOXC S.D.	FUEL CONS. MEAN	FUEL CONS. S.D.
1977 MODEL YEAR													
BMW	1.	FTP	1	2.53	0.00	36.31	0.00	86.02	0.00	.23	0.00	6.44	0.00
	0.	HFET	1	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	1.	FTP	2	2.83	0.00	39.19	0.00	85.56	0.00	.17	0.00	6.66	0.00
	0.	HFET	2	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
HOND	54.	FTP	1	1.98	.89	19.58	11.34	73.15	31.52	.43	.31	4.70	1.54
	4.	HFET	1	.98	.44	18.15	16.63	73.00	30.88	.67	.63	4.46	.54
	51.	FTP	2	1.85	.96	17.47	11.75	75.68	31.93	.43	.27	4.65	1.54
	3.	HFET	2	1.21	.73	17.53	23.41	79.90	29.39	.88	.73	4.75	.63
KAWA	17.	FTP	1	5.55	4.22	40.96	17.69	77.42	20.43	.20	.15	6.80	1.60
	11.	HFET	1	3.10	4.81	27.57	14.90	67.64	18.02	.42	.40	5.06	1.18
	15.	FTP	2	3.86	3.25	31.99	12.59	80.51	20.47	.25	.15	6.10	1.25
	9.	HFET	2	2.09	3.65	21.83	13.11	70.70	18.61	.54	.44	4.76	.83
SUZU	10.	FTP	1	6.01	3.08	43.94	14.35	63.01	11.15	.12	.06	6.44	1.33
	3.	HFET	1	2.36	1.28	46.27	17.52	60.20	18.57	.13	.08	5.99	.78
	10.	FTP	2	4.24	2.24	39.16	12.75	67.42	6.23	.15	.05	6.07	1.17
	3.	HFET	2	1.62	.50	32.90	7.69	60.90	6.56	.20	.08	5.02	.49
YAMA	20.	FTP	1	4.34	5.56	23.58	10.83	53.21	12.89	.14	.10	4.44	1.19
	7.	HFET	1	.78	.29	23.23	7.99	57.19	8.63	.42	.34	4.10	.56
	17.	FTP	2	4.15	5.29	23.21	11.23	53.58	13.73	.14	.08	4.40	1.20
	5.	HFET	2	.80	.25	24.40	5.53	55.34	6.45	.36	.26	4.11	.25
TOT.	102.	FTP	1	3.44	3.55	26.48	15.84	69.09	26.58	.30	.27	5.19	1.71
	25.	HFET	1	2.02	3.31	27.09	15.25	64.68	18.34	.43	.41	4.81	1.06
	94.	FTP	2	2.85	2.94	23.36	14.00	71.68	27.06	.32	.25	5.01	1.54
	20.	HFET	2	1.57	2.45	23.49	12.80	66.77	18.01	.50	.44	4.63	.69

TABLE 11

SUMMARY OF FTP AND HFET RESULTS BEFORE
AND AFTER RESTORATIVE MAINTENANCE

LOS ANGELES

EXHAUST EMISSIONS IN GRAMS PER KILOMETER
FUEL CONSUMPTION IN LITERS PER 100 KILOMETERS
SN=1, AS RECEIVED; SN=2, AFTER REST. MAINT.

MFG	NUMBER OF VEHICLES	TEST TYPE	SN	HC MEAN	HC S.D.	CO MEAN	CO S.D.	CO2 MEAN	CO2 S.D.	NOXC MEAN	NOXC S.D.	FUEL CONS. MEAN	FUEL CONS. S.D.
1978 MODEL YEAR													
HARL	2.	FTP	1	2.36	1.20	15.28	4.78	104.31	10.08	.84	.45	5.79	.91
	0.	HFET	1	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	0.	FTP	2	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	0.	HFET	2	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
HOND	14.	FTP	1	1.78	.61	12.64	3.15	86.36	30.15	.47	.19	4.77	1.30
	0.	HFET	1	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	8.	FTP	2	1.94	.91	13.93	3.28	83.60	31.19	.50	.23	4.76	1.36
	0.	HFET	2	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
KAWA	22.	FTP	1	2.99	1.70	19.89	7.62	103.91	9.84	.51	.16	6.17	.40
	0.	HFET	1	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	13.	FTP	2	2.32	.40	18.22	4.19	105.05	5.79	.52	.10	6.02	.29
	0.	HFET	2	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SUZU	9.	FTP	1	1.69	.74	14.95	4.14	87.87	16.01	.51	.09	4.98	.90
	0.	HFET	1	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	5.	FTP	2	1.28	.33	13.89	4.36	73.17	5.48	.73	.55	4.22	.45
	0.	HFET	2	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
YAMA	1.	FTP	1	1.47	0.00	17.82	0.00	63.44	0.00	.30	0.00	4.10	0.00
	0.	HFET	1	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	0.	FTP	2	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	0.	HFET	2	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
TOT.	48.	FTP	1	2.34	1.38	16.62	6.52	94.96	20.85	.51	.18	5.48	1.08
	0.	HFET	1	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	26.	FTP	2	2.00	.70	16.07	4.40	92.32	21.80	.55	.27	5.29	1.09
	0.	HFET	2	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

TABLE 12

SUMMARY OF INSPECTION AND RESTORATIVE MAINTENANCE COSTS

FOR VEHICLES WITH TWO TESTS

MODEL YEAR	NO. OF VEHICLES	AVERAGE LABOR HOURS	AVERAGE LABOR DOLLARS	AVERAGE PARTS COST	TOTAL COST
1977	94	2.10	$42.00	$5.83	$47.83
1978	26	1.31	26.20	3.32	29.52
Total	120	1.93	$38.60	$5.28	$43.88

NOTE: A labor rate of $20.00 per hour was used. Parts cost are at retail price.

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Appendix A:	Listing of Vehicle and Test Parameters
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APPENDIX A

LISTING OF VEHICLE AND TEST PARAMETERS

LOS ANGELES

Column Heading	Description	Number of Digits
VEH:	Vehicle Number	3
RUN:	Run Number	4
DATE:	Date of Test (Month, Day, Year)	6
YR:	Model Year	2
MAKE:	Vehicle Make (1st four letters)	4
MODL:	Vehicle Model	8
C:	Number of Cylinders	1
CCD:	Engine Displacement in Cubic Centimeters	4
CARB:	Number of Carburetors (0=fuel injection)	1
T:	Type of Transmission (1=Auto, 2=Semi-Auto, 3=Speed, 4=4 speed, 5=5 speed, 6=6 speed)	1
FAM:	Engine Family (1978 Model Year only)	9
FT:	Fuel Tank Capacity in Liters	4
IRPM:	Idle RPM, Measured	4
IRPMS:	Idle RPM, Specs.	4
DW:	Ignition Point Dwell in Degrees, Measured	3
DWS:	Ignition Point Dwell in Degrees, Specs.	3
IGN:	Ignition Timing in Degrees, Measure (+ indicates BTDC, - indicates ATDC, 000=TDC)	3
IGNS:	Ignition Timing in Degrees, Specs. (+ indicates BTDC, - indicates ATDC, 000=TDC)	4
INRT:	Dynamometer Inertia Weight setting (in Kilograms)	4
RLHP:	Road Load Horsepower Setting (in Kilowatts)	4
DB:	Dry Bulb Temperature (in degrees C)	2

WB:	Wet Bulb Temperature (in degrees C)	2
BARO:	Barometric Pressure (in mm hg)	5
SN:	Test Number (1=As Received, 2= After Rest. Maint.)	1

APPENDIX A

LISTING OF VEHICLE AND TEST PARAMETERS

LOS ANGELES

WHEN NO DATA ARE AVAILABLE, A 9 IS PLACED IN ALL POSITIONS OF THE DATA FIELD

SN=1, AS RECEIVED; SN=2, AFTER REST. MAINT.

VEH	RUN	DATE	YR	MAKE	MODEL	C	CCD	CARB	T	FT	IRPM	IRPMS	DW	DWS	IGN	IGNS	INRT	RLHP	DB	WB	BARO	SN
1	4679	12 478	77	HOND	GL1000	4	999	4	5	19	1000	950	80	90	10	5	400	4.0	24	18	763.5	1
1	4682	121178	77	HOND	GL1000	4	999	4	5	19	900	950	92	90	5	5	400	4.0	27	17	765.0	2
2	4683	121178	77	HOND	GL1000	4	999	4	5	19	900	950	96	90	3	5	400	4.0	27	17	765.0	1
2	4694	121578	77	HOND	GL1000	4	999	4	5	19	900	950	92	90	5	5	400	4.0	24	19	761.7	2
3	4698	121878	77	HOND	GL1000	4	999	4	5	19	1400	950	50	90	17	5	400	4.0	26	19	757.7	1
3	4703	122078	77	HOND	GL1000	4	999	4	5	19	1000	950	92	90	5	5	400	4.0	25	20	767.8	2
4	4744	11779	77	HOND	CB750F	4	736	4	5	18	1000	1000	180	190	10	10	360	3.7	26	19	757.4	1
4	4749	11879	77	HOND	CB750F	4	736	4	5	18	1000	1000	190	190	10	10	360	3.7	25	18	761.2	2
5	4690	121478	77	HOND	CB750K	4	736	4	5	19	1000	1000	205	190	10	10	360	3.7	22	16	764.3	1
5	4707	122278	77	HOND	CB750K	4	736	4	5	19	1000	1000	192	190	10	10	360	3.7	26	17	763.0	2
6	4686	121378	77	HOND	CB750F	4	736	4	5	18	1000	1000	180	190	20	10	360	3.7	24	17	764.8	1
6	4695	121678	77	HOND	CB750F	4	736	4	5	18	1000	1000	188	190	10	10	360	3.7	26	20	761.2	2
7	4714	1 279	77	HOND	CB750K	4	736	4	5	19	1100	1000	197	190	10	10	360	3.7	26	16	764.5	1
7	4742	11679	77	HOND	CB750K	4	736	4	5	19	1000	1000	190	190	10	10	360	3.7	27	19	799.0	2
8	4751	11979	77	HOND	CB750F	4	736	4	5	18	1000	1000	180	190	9	10	360	3.7	27	18	765.0	1
8	4768	12479	77	HOND	CB750F	4	736	4	5	18	1000	1000	190	190	10	10	360	3.7	24	17	750.6	2
9	4946	41779	77	HOND	CB750F	4	736	4	5	18	800	1000	170	190	12	10	360	3.7	26	19	760.0	1
9	4960	42179	77	HOND	CB750F	4	736	4	5	18	1000	1000	195	190	10	10	360	3.7	24	17	761.5	2
10	4736	11279	77	HOND	CB550F	4	544	4	5	16	1300	1000	180	190	5	5	300	3.4	26	21	760.2	1
10	4764	12379	77	HOND	CB550F	4	544	4	5	16	1000	1000	190	190	5	5	300	3.4	25	17	757.9	2
11	4728	11079	77	HOND	CB550F	4	544	4	5	16	1300	1000	202	190	4	5	300	3.4	27	21	768.4	1
11	4746	11779	77	HOND	CB550F	4	544	4	5	16	1000	1000	190	190	5	5	300	3.4	26	19	757.4	2
12	4726	1 979	77	HOND	CB550K	4	544	4	5	16	1100	1000	192	190	5	5	300	3.4	26	19	764.3	1
12	4775	12679	77	HOND	CB550K	4	544	4	5	16	1000	1000	190	190	5	5	300	3.4	26	19	763.5	2
13	4874	31479	77	HOND	CB400F	4	408	4	6	13	1100	1200	230	190	23	10	280	3.3	27	19	766.6	1
13	4885	31779	77	HOND	CB400F	4	408	4	6	13	1200	1200	195	190	10	10	280	3.3	23	16	760.2	2
14	4943	41379	78	HOND	CB400T2	2	395	2	5	14	900	1200	999	999	15	15	280	3.3	24	20	760.5	1
14	4953	41979	78	HOND	CB400T2	2	395	2	5	14	1200	1200	999	999	15	15	280	3.3	27	18	764.0	2
15	4692	121578	77	HOND	CB550K	4	544	4	5	16	1000	1000	182	190	5	5	300	3.4	23	16	762.3	1
15	4697	121878	77	HOND	CB550K	4	544	4	5	16	1000	1000	190	190	5	5	300	3.4	26	19	758.2	2
18	4939	41179	78	HOND	XL175	1	173	1	5	7	1250	1200	280	215	9	17	200	2.8	26	20	756.9	1
18	4952	41879	78	HOND	XL175	1	173	1	5	7	1200	1200	280	215	17	17	200	2.8	27	18	761.7	2
19	4705	122078	77	HOND	CT90	1	89	1	4	6	1300	1300	110	90	15	10	180	2.7	24	17	769.9	1
19	4708	122278	77	HOND	CT90	1	89	1	4	6	1300	1300	88	90	10	10	180	2.7	27	17	763.0	2
20	4715	1 379	77	HOND	CT125	1	124	1	5	6	1900	1300	155	145	15	15	200	2.8	26	18	762.5	1
20	4724	1 979	77	HOND	CT125	1	124	1	5	6	1300	1300	155	145	15	15	200	2.8	26	21	765.3	2
21	4878	31579	77	HOND	CT90	1	89	1	4	6	2000	1300	100	90	10	10	180	2.7	25	18	763.0	1
21	4883	31679	77	HOND	CT90	1	89	1	4	6	1400	1300	90	90	10	10	180	2.7	26	17	762.3	2
22	4727	1 979	77	HOND	CT90	1	89	1	4	6	1300	1300	88	90	15	10	180	2.7	25	19	765.6	1
22	4737	11379	77	HOND	CT90	1	89	1	4	6	1300	1300	90	90	10	10	180	2.7	27	21	762.8	2
23	4736	11379	77	HOND	XL75	1	74	1	4	6	1700	1500	290	240	10	15	160	2.5	27	19	764.8	1
23	4754	12179	77	HOND	XL75	1	74	1	4	6	1400	1500	300	240	15	15	160	2.5	26	18	759.0	2
24	4739	11679	77	HOND	CT70	1	72	1	3	3	1800	1300	290	231	29	25	160	2.5	26	19	757.9	1
24	4766	12479	77	HOND	CT70	1	72	1	3	3	1300	1300	290	231	25	25	160	2.5	24	16	755.9	2
25	4711	122878	77	YAMA	XS750D	3	743	3	5	17	900	1100	58	999	8	10	360	3.7	26	18	757.7	1
25	4731	11179	77	YAMA	XS750D	3	743	3	5	17	1000	1100	58	999	10	10	360	3.7	27	22	765.8	2

APPENDIX A

LISTING OF VEHICLE AND TEST PARAMETERS

LOS ANGELES

WHEN NO DATA ARE AVAILABLE, A 9 IS PLACED IN ALL POSITIONS OF THE DATA FIELD

SN=1, AS RECEIVED; SN=2, AFTER REST. MAINT.

VEH	RUN	DATE	YR	MAKE	MODEL	C	CCD	CARB	T	FT	IRPM	IRPMS	DW	DWS	IGN	IGNS	INRT	RLHP	DB	WB	BARO	SN
26	4719	1 479	77	YAMA	XS650D	2	653	2	5	15	1300	1200	45	999	15	15	320	3.5	26	18	762.8	1
26	4779	12779	77	YAMA	XS650D	2	653	2	5	15	1200	1200	45	999	15	15	320	3.5	23	18	765.0	2
28	4712	122978	77	YAMA	XT500D	1	498	1	5	8	1200	1200	21	999	4	7	280	3.3	27	18	759.0	1
28	4745	11779	77	YAMA	XT500D	1	498	1	5	8	1200	1200	21	999	7	7	280	3.3	27	19	757.2	2
36	4837	22479	77	KAWA	KZ1000	4	1015	4	5	17	1000	1000	215	190	20	20	370	3.8	25	22	767.3	1
36	4852	3 279	77	KAWA	KZ1000	4	1015	4	5	17	1000	1000	215	190	20	20	370	3.8	26	19	761.7	2
38	4973	42679	77	KAWA	KZ750B	2	745	2	5	15	800	1000	210	190	-2	5	350	3.7	27	18	762.0	1
38	5001	5 879	77	KAWA	KZ750B	2	745	2	5	15	900	1000	190	190	4	5	350	3.7	27	18	759.0	2
39	4755	12179	77	KAWA	KZ650C1	4	652	4	5	17	900	1000	240	190	12	10	330	3.5	26	17	759.0	1
39	4781	12979	77	KAWA	KZ650C1	4	652	4	5	17	1000	1000	190	190	10	10	330	3.5	24	16	763.5	2
40	4926	4 579	77	KAWA	KZ650B1	4	652	4	5	17	1000	1000	203	190	7	10	320	3.5	28	20	761.0	1
40	4934	41079	77	KAWA	KZ650B1	4	652	4	5	17	1000	1000	190	190	9	10	320	3.5	26	17	756.7	2
41	4969	42579	78	KAWA	KZ650C	4	652	4	5	17	1000	1000	165	190	13	10	330	3.5	26	17	759.0	1
41	4981	42879	78	KAWA	KZ650C	4	652	4	5	17	900	1000	190	190	11	10	330	3.5	27	19	761.5	2
44	4729	11079	77	SUZU	GS750B	4	748	4	5	18	1100	1000	170	999	23	17	350	3.7	27	21	765.8	1
44	4798	2 879	77	SUZU	GS750B	4	748	4	5	18	1000	1000	175	999	17	17	350	3.7	26	21	766.6	2
45	4716	1 379	77	SUZU	GS550	4	549	4	6	17	1300	1000	182	190	19	17	300	3.4	26	18	763.8	1
45	4785	2 179	77	SUZU	GS550	4	549	4	6	17	1000	1000	200	190	17	17	300	3.4	26	18	761.0	2
46	4723	1 979	77	SUZU	GS550	4	549	4	6	17	1000	1000	137	190	16	17	300	3.4	26	22	765.3	1
46	4783	13079	77	SUZU	GS550	4	549	4	6	17	1000	1000	165	190	17	17	300	3.4	24	20	762.5	2
47	4732	11279	77	SUZU	GS400B	2	398	2	6	14	1000	1100	90	999	8	10	280	3.3	27	22	763.0	1
47	4784	13179	77	SUZU	GS400B	2	398	2	6	14	1100	1100	90	999	9	10	280	3.3	25	22	760.0	2
51	4593	9 778	77	HOND	GL1000	4	999	4	5	19	1100	950	150	90	5	5	400	4.0	27	20	756.9	1
51	4610	101078	77	HOND	GL1000	4	999	4	5	19	1000	950	94	90	5	5	400	4.0	26	20	761.3	2
52	4688	121378	77	HOND	GL1000	4	999	4	5	19	1000	950	84	90	5	5	400	4.0	28	17	764.5	1
52	4696	121578	77	HOND	GL1000	4	999	4	5	19	1000	950	92	90	5	5	400	4.0	25	20	761.2	2
53	4656	111678	77	HOND	GL1000	4	999	4	5	19	1000	950	115	90	15	5	400	4.0	27	20	766.3	1
53	4670	112978	77	HOND	GL1000	4	999	4	5	19	900	950	90	90	5	5	400	4.0	26	17	765.8	2
54	4660	111778	77	HOND	GL1000	4	999	4	5	19	1100	950	110	90	10	5	400	4.0	26	19	762.0	1
54	4665	112878	77	HOND	GL1000	4	999	4	5	19	900	950	90	90	5	5	400	4.0	27	17	766.3	2
56	4585	83178	77	HOND	CB750K	4	736	4	5	19	1000	1000	212	190	10	10	360	3.7	27	22	757.7	1
56	4611	101078	77	HOND	CB750K	4	736	4	5	19	1000	1000	220	190	10	10	360	3.7	27	21	758.7	2
57	4642	11 178	77	HOND	CB750K	4	736	4	5	19	1200	1000	200	190	10	10	360	3.7	26	19	763.8	1
57	4648	11 978	77	HOND	CB750K	4	736	4	5	19	1100	1000	120	190	10	10	360	3.7	26	19	756.7	2
58	4633	102778	77	HOND	CB750K	4	736	4	5	19	1200	1000	204	190	17	10	360	3.7	26	20	761.2	1
58	4640	11 178	77	HOND	CB750K	4	736	4	5	19	1100	1000	200	190	10	10	360	3.7	24	18	765.6	2
59	4782	13179	77	HOND	CB750K	4	736	4	5	19	1000	1000	180	190	15	10	360	3.7	24	18	764.5	1
59	4786	2 179	77	HOND	CB750K	4	736	4	5	19	1000	1000	190	190	10	10	360	3.7	26	18	761.5	2
60	4641	11 178	77	HOND	CB750F	4	736	4	5	18	1100	1000	180	190	10	10	360	3.7	27	19	765.6	1
60	4652	111478	77	HOND	CB750F	4	736	4	5	18	1200	1000	196	190	10	10	360	3.7	26	18	762.3	2
61	4676	12 178	77	HOND	CB750K	4	736	4	5	19	1000	1000	230	190	0	10	360	3.7	26	19	758.7	1
61	4680	12 478	77	HOND	CB750K	4	736	4	5	19	1000	1000	190	190	10	10	360	3.7	25	18	763.5	2
62	4659	111778	77	HOND	CB750F	4	736	4	5	18	900	1000	180	190	5	10	360	3.7	27	20	764.5	1
62	4691	121478	77	HOND	CB750F	4	736	4	5	18	1000	1000	195	190	10	10	360	3.7	26	17	763.8	2
63	4661	111778	77	HOND	CB750F	4	736	4	5	18	1100	1000	195	190	17	10	360	3.7	26	19	762.5	1
63	4667	112878	77	HOND	CB750F	4	736	4	5	18	1000	1000	195	190	10	10	360	3.7	27	16	765.8	2

APPENDIX A

LISTING OF VEHICLE AND TEST PARAMETERS

LOS ANGELES

WHEN NO DATA ARE AVAILABLE, A 9 IS PLACED IN ALL POSITIONS OF THE DATA FIELD

SN=1, AS RECEIVED; SN=2, AFTER REST. MAINT.

VEH	RUN	DATE	YR	MAKE	MODEL	C	CCD	CARB	T	FT	IRPM	IRPMS	DW	DWS	IGN	IGNS	INRT	RLHP	DB	WB	BARO	SN
64	4621	101878	77	HOND	CB550F	4	544	4	5	16	900	1000	228	190	21	5	300	3.4	26	21	763.3	1
64	4625	102478	77	HOND	CB550F	4	544	4	5	16	900	1000	176	190	10	5	300	3.4	26	21	759.7	2
65	4678	12 178	77	HOND	CB550K	4	544	4	5	16	1000	1000	165	190	10	5	300	3.4	26	20	756.4	1
65	4684	121178	77	HOND	CB550K	4	544	4	5	16	1000	1000	195	190	5	5	300	3.4	27	17	765.0	2
66	4654	111478	77	HOND	CB550F	4	544	4	5	16	1000	1000	185	190	5	5	300	3.4	28	19	764.0	1
66	4671	112978	77	HOND	CB550F	4	544	4	5	16	1000	1000	190	190	5	5	300	3.4	28	19	766.1	2
67	4662	112078	77	HOND	CB550F	4	544	4	5	16	1000	1000	185	190	11	5	300	3.4	25	18	760.7	1
67	4675	113078	77	HOND	CB550F	4	544	4	5	16	1000	1000	190	190	5	5	300	3.4	27	20	765.6	2
68	4584	83078	77	HOND	CB400F	4	408	4	6	13	1000	1200	202	190	23	10	280	3.3	27	22	757.2	1
68	4584	101278	77	HOND	CB400F	4	408	4	6	13	1400	1200	200	190	10	10	280	3.3	26	20	758.4	2
69	4631	102578	77	HOND	CB400F	4	408	4	6	13	1100	1200	216	190	10	10	280	3.3	24	20	760.0	1
69	4644	11 778	77	HOND	CB400F	4	408	4	6	13	1200	1200	220	190	10	10	280	3.3	28	19	764.3	2
70	4710	122878	77	HOND	CB400F	4	408	4	6	13	1100	1200	205	190	5	10	280	3.3	24	17	757.9	1
70	4730	11179	77	HOND	CB400F	4	408	4	6	13	1200	1200	192	190	10	10	280	3.3	27	21	763.8	2
71	4646	11 878	77	HOND	CB400F	4	408	4	6	13	1200	1200	212	190	10	10	280	3.3	28	20	757.4	1
72	4831	22379	77	HOND	XL350	1	348	1	5	8	1300	1200	320	215	7	5	230	3.0	25	23	763.5	1
73	4977	42779	78	HOND	CB400T1	2	395	2	5	14	1200	1200	999	999	15	15	270	3.2	25	19	762.5	1
73	4993	5 379	78	HOND	CB400T1	2	395	2	5	14	1200	1200	999	999	15	15	270	3.2	25	18	761.7	2
74	4951	41879	78	HOND	CB400T2	2	395	2	5	14	1200	1200	999	999	15	15	280	3.3	27	17	762.0	1
74	4957	42079	78	HOND	CB400T2	2	395	2	5	14	1200	1200	999	999	15	15	280	3.3	27	18	763.0	2
75	4956	42079	78	HOND	CB400A	2	395	2	1	14	1300	1250	999	999	8	8	280	3.3	27	18	763.0	1
75	4971	42579	78	HOND	CB400A	2	395	2	1	14	1200	1250	999	999	8	8	280	3.3	26	18	760.5	2
76	4958	42179	78	HOND	CB400A	2	395	2	1	14	1150	1250	999	999	8	8	280	3.3	24	17	761.0	1
76	4985	5 279	78	HOND	CB400A	2	395	2	1	14	1200	1250	999	999	8	8	280	3.3	27	19	759.0	2
78	4596	9 878	77	HOND	XL175	1	173	1	5	7	1900	1200	165	215	12	17	200	2.8	27	20	756.4	1
78	4614	101178	77	HOND	XL175	1	173	1	5	7	1800	1200	155	215	17	17	200	2.8	25	20	757.9	2
79	4664	112278	77	HOND	CT125	1	124	1	5	6	1300	1300	155	145	15	15	200	2.8	25	19	763.5	1
79	4672	112978	77	HOND	CT125	1	124	1	5	6	1300	1300	145	145	15	15	200	2.8	29	20	766.3	2
81	4944	41379	78	HOND	XL125	1	124	1	5	7	1600	1300	260	215	8	12	190	2.7	27	21	759.5	1
81	4998	5 879	78	HOND	XL125	1	124	1	5	7	1350	1300	295	215	12	12	190	2.7	25	17	756.4	2
82	4630	102578	77	HOND	CT90	1	89	1	4	6	2000	1300	55	90	8	10	180	2.7	21	20	759.7	1
82	4647	11 978	77	HOND	CT90	1	89	1	4	6	1200	1300	55	90	10	10	180	2.7	26	18	756.2	2
83	4629	102578	77	HOND	CT90	1	89	1	4	6	500	1300	70	90	5	10	180	2.7	26	21	761.0	1
83	4638	103178	77	HOND	CT90	1	89	1	4	6	1500	1300	90	90	10	10	180	2.7	24	18	761.7	2
84	4658	111678	77	HOND	XL75	1	74	1	4	6	1500	1500	240	240	15	15	160	2.5	25	18	764.3	1
85	4620	101878	77	HOND	CT70	1	72	1	3	3	2600	1300	155	231	25	25	160	2.5	27	21	762.5	1
85	4632	102578	77	HOND	CT70	1	72	1	3	3	1300	1300	155	231	25	25	160	2.5	23	19	758.7	2
86	4579	82578	77	YAMA	XS750	3	743	3	5	17	1050	1050	999	999	10	10	360	3.7	26	19	762.3	1
87	4575	82478	77	YAMA	XS650	2	653	2	5	15	1200	1200	999	999	15	15	320	3.5	24	18	762.0	1
87	4589	9 578	77	YAMA	XS650	2	653	2	5	15	1300	1200	999	999	15	15	320	3.5	24	21	755.7	2
88	4571	81878	77	YAMA	XS650	2	653	2	5	15	1300	1200	21	999	21	15	320	3.5	26	19	756.4	1
88	4582	83078	77	YAMA	XS650	2	653	2	5	15	1000	1200	24	999	15	15	320	3.5	25	21	758.2	2
89	4598	9 978	77	YAMA	XT500	1	498	1	5	8	1500	1200	999	999	5	7	280	3.3	26	22	759.2	1
89	4612	101178	77	YAMA	XT500	1	498	1	5	8	1200	1200	999	999	5	5	280	3.3	26	21	761.5	2

APPENDIX A

LISTING OF VEHICLE AND TEST PARAMETERS

LOS ANGELES

WHEN NO DATA ARE AVAILABLE, A 9 IS PLACED IN ALL POSITIONS OF THE DATA FIELD

SN=1, AS RECEIVED; SN=2, AFTER REST. MAINT.

VEH	RUN	DATE	YR	MAKE	MODEL	C	CCD	CARB	T	FT	IRPM	IRPMS	DW	DWS	IGN	IGNS	INRT	RLHP	DB	WB	BARO	SN
90	4572	82278	77	YAMA	XT500	1	498	1	5	8	1500	1200	999	999	7	7	280	3.3	25	19	760.7	1
90	4580	82878	77	YAMA	XT500	1	498	1	5	8	1400	1200	999	999	7	7	280	3.3	26	21	757.9	2
91	4581	82978	77	YAMA	XT500	1	498	1	5	8	1200	1200	999	999	5	7	280	3.3	27	22	758.2	1
92	4793	2 779	77	YAMA	RD400D	2	400	2	6	13	1300	1150	95	999	999	999	240	3.0	27	21	764.3	1
92	4814	21479	77	YAMA	RD400D	2	400	2	6	13	1100	1150	100	999	999	999	240	3.0	26	22	763.5	2
93	4860	3 779	77	YAMA	DT400	1	400	1	5	9	1500	1450	999	999	999	999	230	3.0	23	17	761.2	1
94	4904	32479	77	YAMA	RD400D	2	400	2	6	13	1300	1150	210	999	999	999	240	3.0	25	17	764.5	1
94	4915	32979	77	YAMA	RD400D	2	400	2	6	13	1200	1150	190	999	999	999	240	3.0	26	18	764.0	2
95	4923	4 479	77	YAMA	XS400	2	391	2	6	11	1000	1200	60	105	7	10	280	3.3	27	19	764.5	1
95	4978	42779	77	YAMA	XS400	2	391	2	6	11	1200	1200	130	105	9	9	280	3.3	26	20	762.5	2
96	4947	41779	77	YAMA	XS400D	2	391	2	6	11	1100	1200	120	105	7	10	280	3.3	27	20	760.2	1
96	4965	42479	77	YAMA	XS400D	2	391	2	6	11	1100	1200	105	105	10	10	280	3.3	24	17	761.5	2
97	4968	42479	77	YAMA	XS400	2	391	2	6	11	1100	1200	115	105	5	10	280	3.3	25	18	760.5	1
97	4999	5 879	77	YAMA	XS400	2	391	2	6	11	1100	1200	110	105	8	10	280	3.3	26	18	757.7	2
98	4565	81578	77	YAMA	XS360	2	347	2	6	11	1300	1200	112	999	13	10	230	3.0	25	20	761.7	1
98	4576	82478	77	YAMA	XS360	2	347	2	6	11	1100	1200	112	999	10	10	230	3.0	24	19	761.0	2
99	4879	31579	77	YAMA	DT250D	1	246	1	5	9	1500	1350	999	999	999	999	210	2.8	26	17	763.0	1
99	4889	32079	77	YAMA	DT250D	1	246	1	5	9	1400	1350	999	999	999	999	210	2.8	27	18	755.4	2
100	4949	41779	77	YAMA	DT100	1	97	1	5	5	1900	1300	999	999	999	999	180	2.7	27	20	759.5	1
100	4961	42179	77	YAMA	DT100	1	97	1	5	5	1300	1300	999	999	999	999	180	2.7	26	18	762.0	2
101	4850	3 179	77	YAMA	LB803AD	1	73	1	2	4	1700	1350	999	999	999	999	140	2.4	24	16	751.8	1
101	4859	3 779	77	YAMA	LB803AD	1	73	1	2	4	1300	1350	999	999	999	999	140	2.4	26	21	763.8	2
102	4847	22879	77	YAMA	LB803AD	1	73	1	2	4	1700	1350	999	999	999	999	140	2.4	24	21	759.2	1
102	4854	3 679	77	YAMA	LB803AD	1	73	1	2	4	1300	1350	999	999	999	999	140	2.4	26	20	765.3	2
103	4483	5 578	77	KAWA	KZ1000	4	1015	4	5	17	800	1000	167	190	20	20	370	3.8	25	21	754.9	1
103	4487	51178	77	KAWA	KZ1000	4	1015	4	5	17	1500	1000	191	190	20	20	370	3.8	23	19	764.5	2
104	4473	42578	77	KAWA	KZ1000	4	1015	4	5	17	1400	1000	194	190	20	20	370	3.8	24	18	760.2	1
104	4475	5 478	77	KAWA	KZ1000	4	1015	4	5	17	1200	1000	180	190	20	20	370	3.8	24	19	756.4	2
105	4525	62878	77	KAWA	KZ1000	4	1015	4	5	17	1100	1000	200	190	18	20	370	3.8	24	18	761.5	1
105	4541	71378	77	KAWA	KZ1000	4	1015	4	5	17	950	1000	173	190	20	20	370	3.8	29	25	758.7	2
106	4538	71278	77	KAWA	KZ750	2	745	2	5	14	700	1000	184	190	6	5	350	3.7	25	19	759.0	1
106	4544	72078	77	KAWA	KZ750	2	745	2	5	14	1000	1000	184	190	6	5	350	3.7	24	19	756.7	2
107	4529	62978	77	KAWA	KZ650	4	652	4	5	17	975	1000	188	190	10	10	320	3.5	23	19	762.3	1
108	4540	71378	77	KAWA	KZ650	4	652	4	5	17	700	1000	216	190	-3	10	320	3.5	26	23	758.7	1
108	4554	72878	77	KAWA	KZ650	4	652	4	5	17	975	1000	210	190	10	10	320	3.5	25	20	757.7	2
109	4446	32778	77	KAWA	KZ400	2	398	2	5	14	2200	1200	192	190	10	10	280	3.3	25	18	760.2	1
109	4469	41778	77	KAWA	KZ400	2	398	2	5	14	1200	1200	192	190	10	10	280	3.3	24	16	765.3	2
110	4556	73178	77	KAWA	KZ400	2	398	2	5	14	1300	1150	52	53	10	10	280	3.3	26	19	756.9	1
110	4562	8 878	77	KAWA	KZ400	2	398	2	5	14	900	1150	52	53	10	10	280	3.3	26	20	759.2	2

APPENDIX A

LISTING OF VEHICLE AND TEST PARAMETERS

LOS ANGELES

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VEH	RUN	DATE	YR	MAKE	MODEL	C	CCD	CARB	T	FT	IRPM	IRPMS	DW	DWS	IGN	IGNS	INRT	RLHP	DB	WB	BARO	SN
111	4447	32978	77	KAWA	KZ400	2	398	2	5	14	1100	1200	204	190	12	10	280	3.3	24	18	760.5	1
111	4459	4 678	77	KAWA	KZ400	2	398	2	5	14	1000	1200	184	190	10	10	280	3.3	22	17	758.7	2
112	4537	71178	77	KAWA	KH400	3	400	3	5	14	1100	1150	999	999	23	23	270	3.2	27	21	735.1	1
112	4553	72778	77	KAWA	KH400	3	400	3	5	14	1400	1150	999	999	23	23	270	3.2	28	19	756.9	2
113	4547	72578	77	KAWA	KE175	1	174	1	5	7	1300	1300	999	999	22	22	190	2.7	27	21	760.0	1
114	4518	62378	77	KAWA	KE100	1	99	1	5	8	9999	9999	999	999	25	20	180	2.7	25	20	760.2	1
114	4527	62878	77	KAWA	KE100	1	99	1	5	8	9999	9999	999	999	20	20	180	2.7	23	18	761.5	2
115	4560	8 378	77	SUZU	GS750	4	748	4	5	18	900	1000	55	999	12	17	350	3.7	25	19	758.7	1
115	4569	81778	77	SUZU	GS750	4	748	4	5	18	700	1000	44	999	17	17	350	3.7	24	19	759.7	2
116	4558	8 178	77	SUZU	GS550	4	549	4	6	17	1000	1000	45	999	17	17	300	3.4	25	19	759.0	1
116	4577	82478	77	SUZU	GS550	4	549	4	6	17	1100	1000	43	999	17	17	300	3.4	24	18	761.0	2
117	4552	72778	77	SUZU	GS400	2	398	2	6	14	1300	1100	48	999	10	10	280	3.3	26	21	759.0	1
117	4563	8 978	77	SUZU	GS400	2	398	2	6	14	1050	1100	48	999	10	10	280	3.3	25	19	757.4	2
119	4817	21579	77	SUZU	GT185	2	184	2	5	10	1100	9999	88	999	999	20	200	2.8	24	18	763.3	1
119	4843	22779	77	SUZU	GT185	2	184	2	5	10	1500	9999	94	999	999	20	200	2.8	26	18	762.0	2
120	4941	41279	78	SUZU	GS550E	4	549	4	6	17	1100	1000	170	180	15	17	310	3.4	25	19	760.2	1
120	4974	42679	78	SUZU	GS550E	4	549	4	6	17	1000	1000	180	180	10	10	310	3.4	27	19	762.0	2
121	4942	41279	78	SUZU	GS550E	4	549	4	6	17	1500	1000	130	190	37	17	310	3.4	27	21	761.0	1
121	4987	5 279	78	SUZU	GS550E	4	549	4	6	17	1000	1000	185	190	17	17	310	3.4	26	19	758.7	2
125	4718	1 479	77	BMW	R100S	2	980	2	5	24	1000	700	60	78	21	6	330	3.5	27	19	762.5	1
125	4725	1 979	77	BMW	R100S	2	980	2	5	24	750	700	80	78	6	6	330	3.5	26	21	763.8	2

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VEH	RUN	DATE	YR	MAKE	MODEL	C	CCD	CARB	T	FT	IRPM	IRPMS	DW	DWS	IGN	IGNS	INRT	RLHP	DB	WB	BARO	SN
126	4795	2 779	78	HOND	GL1000	4	999	4	5	19	1050	950	78	90	25	10	410	4.0	26	22	764.8	1
127	4811	21379	78	HOND	GL1000	4	999	4	5	19	1000	950	85	90	7	10	410	4.0	27	21	760.5	1
127	4833	22379	78	HOND	GL1000	4	999	4	5	19	1000	950	95	90	10	10	410	4.0	23	22	763.5	2
129	4899	32379	78	HOND	CB750K	4	736	4	5	19	1000	1000	150	190	10	10	350	3.7	26	17	766.1	1
129	4907	32779	78	HOND	CB750K	4	736	4	5	19	1000	1000	190	190	10	10	350	3.7	26	20	757.7	2
130	4989	5 379	78	HOND	CB750K	4	736	4	5	20	1200	1000	200	190	5	10	350	3.7	26	19	762.0	1
130	5000	5 879	78	HOND	CB750K	4	736	4	5	20	1000	1000	190	190	10	10	350	3.7	27	19	757.7	2
134	4763	12379	78	HOND	CX500	2	500	2	5	17	1300	1100	999	999	999	15	320	3.5	27	19	759.7	1
135	4799	2 879	78	HOND	CX500	2	500	2	5	17	1200	1100	999	999	999	15	320	3.5	27	21	765.0	1
136	4789	2 679	78	HOND	CX500	2	500	2	5	17	1300	1100	999	999	999	15	320	3.5	25	18	766.1	1
136	4794	2 779	78	HOND	CX500	2	500	2	5	17	1100	1100	999	999	999	15	320	3.5	26	20	764.8	2
137	4612	21379	78	HOND	CX500	2	500	2	5	17	1400	1100	999	999	999	15	320	3.5	26	21	761.5	1
137	4825	22179	78	HOND	CX500	2	500	2	5	17	1000	1100	999	999	999	15	320	3.5	24	21	759.2	2
138	4816	21479	78	HOND	CX500	2	500	2	5	17	1100	1100	999	999	999	15	320	3.5	24	19	762.5	1
139	4809	21379	78	HOND	XL250S	1	249	1	5	10	1400	1200	999	999	999	12	210	2.8	26	21	763.8	1
140	4791	2 679	78	HOND	XL250S	1	249	1	5	9	1150	1200	999	999	999	12	210	2.8	27	21	765.8	1
140	4804	2 979	78	HOND	XL250S	1	249	1	5	10	1200	1200	999	999	999	12	210	2.8	27	22	762.5	2
141	4797	2 879	78	HOND	XL250S	1	249	1	5	9	1400	1200	999	999	999	12	210	2.8	24	19	766.6	1
141	4807	21279	78	HOND	XL250S	1	249	1	5	9	1250	1200	999	999	999	12	210	2.8	25	21	763.0	2
142	4774	12679	78	HOND	CM185T	2	180	1	4	11	1700	1200	90	999	-15	-15	220	2.9	23	18	763.5	1
143	4980	42879	78	HOND	CM185T	2	180	2	4	11	1100	1200	215	999	11	15	220	2.9	27	19	761.7	1
143	4992	5 379	78	HOND	CM185T	2	180	2	4	11	1200	1200	190	999	15	15	220	2.9	26	19	762.0	2
155	4776	12679	78	YAMA	XS400ZE	2	391	2	6	11	1200	1200	130	105	5	10	260	3.1	25	17	763.8	1
158	4861	3 879	78	KAWA	KZ1000	4	1015	4	5	17	900	1000	200	193	10	10	370	3.8	26	23	760.0	1
158	4870	31079	78	KAWA	KZ1000	4	1015	4	5	17	1000	1000	190	193	10	10	370	3.8	26	19	765.3	2
159	4884	31679	78	KAWA	KZ1000B2	4	1015	4	5	17	1000	1000	250	193	7	10	370	3.8	26	17	761.0	1
159	4892	32179	78	KAWA	KZ1000B2	4	1015	4	5	17	1000	1000	250	193	10	10	370	3.8	25	17	761.2	2
160	4893	32179	78	KAWA	KZ650B	4	652	4	5	17	1000	1000	210	190	8	10	360	3.7	26	18	761.2	1
160	4901	32379	78	KAWA	KZ650B	4	652	4	5	17	1000	1000	190	190	10	10	360	3.7	25	16	766.1	2
161	4896	32279	78	KAWA	KZ650B	4	652	4	5	17	1500	1000	180	190	15	10	360	3.7	27	17	765.3	1
162	4902	32479	78	KAWA	KZ650	4	652	4	5	17	900	1000	210	190	5	10	360	3.7	24	17	765.6	1
162	4906	32779	78	KAWA	KZ650	4	652	4	5	17	1000	1000	195	190	12	10	360	3.7	25	19	757.4	2
163	4913	32979	78	KAWA	KZ1000	4	1015	4	5	17	900	1000	210	193	8	10	370	3.8	26	18	764.0	1
164	4908	32779	78	KAWA	KZ1000A2	4	1015	4	5	17	800	1000	210	193	8	10	370	3.8	23	18	756.9	1
164	4924	4 479	78	KAWA	KZ1000A2	4	1015	4	5	17	1000	1000	190	193	11	10	370	3.8	29	19	764.5	2
165	4912	32879	78	KAWA	KZ1000	4	1015	4	5	17	1000	1000	210	193	15	10	370	3.8	27	18	757.9	1
166	4815	21479	78	KAWA	KZ650B2A	4	652	4	5	17	1000	1000	190	190	16	10	360	3.7	24	18	762.3	1
167	4887	31979	78	KAWA	KZ650B	4	652	4	5	17	1000	1000	210	190	10	10	360	3.7	26	17	756.9	1
168	4856	3 679	78	KAWA	KZ650B	4	652	4	5	17	1000	1000	210	190	10	10	360	3.7	26	16	763.5	1
168	4867	31079	78	KAWA	KZ650B	4	652	4	5	17	1000	1000	185	190	10	10	360	3.7	24	18	764.5	2
169	4872	31479	78	KAWA	KZ650D	4	652	4	5	17	1300	1000	220	190	0	10	360	3.7	25	18	767.1	1
170	4882	31679	78	KAWA	KZ650B	4	652	4	5	17	1000	1000	195	190	10	10	360	3.7	26	17	762.0	1
170	4894	32179	78	KAWA	KZ650B	4	652	4	5	17	1000	1000	195	190	10	10	360	3.7	26	18	762.0	2
171	4866	31079	78	KAWA	KZ650D1	4	652	4	5	17	1000	1000	205	190	10	10	360	3.7	23	17	764.5	1
172	4871	31079	78	KAWA	KZ650B2	4	652	4	5	17	1000	1000	180	190	12	10	360	3.7	26	19	765.0	1
172	4873	31479	78	KAWA	KZ650B2	4	652	4	5	17	1000	1000	185	190	9	10	360	3.7	26	18	767.1	2

APPENDIX A

LISTING OF VEHICLE AND TEST PARAMETERS

LOS ANGELES

WHEN NO DATA ARE AVAILABLE, A 9 IS PLACED IN ALL POSITIONS OF THE DATA FIELD

SN=1, AS RECEIVED; SN=2, AFTER REST. MAINT.

VEH	RUN	DATE	YR	MAKE	MODEL	C	CCD	CARB	T	FT	IRPM	IRPMS	DW	DWS	IGN	IGNS	INRT	RLHP	DB	WB	BARO	SN
173	4881	31579	78	KAWA	KZ650B	4	652	4	5	17	1200	1000	180	190	12	10	360	3.7	26	18	761.5	1
173	4903	32479	78	KAWA	KZ650B	4	652	4	5	17	1000	1000	190	190	10	10	360	3.7	23	17	765.3	2
174	4880	31579	78	KAWA	KZ650P	4	652	4	5	17	1100	1000	210	190	9	10	360	3.7	24	17	761.5	1
176	4827	22179	78	SUZU	GS1000E	4	997	4	5	19	1100	1000	210	999	17	17	360	3.7	24	21	758.2	1
177	4936	41179	78	SUZU	GS1000	4	997	4	5	19	1100	1000	175	27	16	15	360	3.7	26	19	759.2	1
182	4853	3 679	78	SUZU	GS750E	4	748	4	5	18	1200	1000	95	999	17	17	350	3.7	26	21	764.5	1
185	4838	22479	78	SUZU	GS550E	4	549	4	6	17	900	1000	270	190	10	17	330	3.5	26	23	767.3	1
185	4851	3 179	78	SUZU	GS550E	4	549	4	6	17	1100	1000	250	190	17	17	330	3.5	24	13	704.1	2
187	4813	21479	78	SUZU	GS400	2	398	2	6	14	1000	1100	100	999	6	10	270	3.2	26	22	763.8	1
187	4822	22079	78	SUZU	GS400	2	398	2	6	14	1000	1100	90	999	10	10	270	3.2	24	19	760.2	2
188	4787	2 279	78	SUZU	SP370C	1	370	1	5	8	1500	1300	310	295	4	10	210	2.8	25	19	762.0	1
188	4790	2 679	78	SUZU	SP370C	1	370	1	5	8	1300	1300	300	295	10	10	210	2.8	26	19	766.6	2
189	4848	3 179	78	SUZU	SP370	1	370	1	5	9	1100	1300	310	295	3	10	210	2.8	25	20	753.6	1
193	4826	22179	78	HARL	FXC	2	1200	2	4	14	800	900	999	999	5	5	490	4.5	24	21	759.0	1
194	4929	4 679	79	HARL	XLH1000	2	1000	1	4	9	800	900	999	999	10	10	360	3.7	25	19	761.2	1
217	4910	32879	78	KAWA	KZ650D1	4	652	4	5	17	1200	1000	215	190	6	10	360	3.7	26	18	757.9	1
217	4919	33079	78	KAWA	KZ650D1	4	652	4	5	17	1000	1000	190	190	10	10	360	3.7	26	17	766.1	2
218	4917	33079	78	KAWA	KZ650B	4	652	4	5	17	1000	1000	160	190	15	10	360	3.7	25	17	766.1	1
219	4911	32879	78	KAWA	KZ650B2	4	652	4	5	17	1000	1000	183	190	13	10	360	3.7	27	18	757.4	1
219	4918	33079	78	KAWA	KZ650B2	4	652	4	5	17	1000	1000	190	190	10	10	360	3.7	26	18	766.1	2
220	4914	32979	78	KAWA	KZ650B	4	652	4	5	17	900	1000	190	190	12	10	360	3.7	27	18	764.3	1
220	4925	4 579	78	KAWA	KZ650B	4	652	4	5	17	1000	1000	190	190	12	10	360	3.7	27	18	761.9	2
221	4927	4 579	78	KAWA	KZ650D1	4	652	4	5	17	1000	1000	180	190	12	10	360	3.7	27	19	760.0	1
221	4986	5 279	78	KAWA	KZ650	4	652	4	5	14	1000	1000	185	190	10	10	360	3.7	26	19	759.5	2
227	4967	42479	78	SUZU	GS400	2	398	2	6	13	1000	1150	190	999	5	10	270	3.2	26	19	760.5	1
227	4979	42879	78	SUZU	GS400	2	398	2	6	13	1100	1150	215	999	7	10	270	3.2	27	19	762.5	2
228	4959	42179	78	SUZU	SP370	1	370	1	5	8	1150	1300	250	295	13	10	210	2.8	26	18	761.7	1
228	4983	5 179	78	SUZU	SP370	1	370	1	5	8	1200	1300	310	295	9	10	210	2.8	26	19	759.0	2

APPENDIX B

LISTING OF TEST VEHICLE USE AND MAINTENANCE DATA

LOS ANGELES

Column Heading	Description	Number of Digits
VEH:	Vehicle Number	3
YR:	Model Year	2
MAKE:	Vehicle Make (1st four letters)	4
MODL:	Vehicle Model	8
VIN:	Vehicle Identification number (right justify)	13
ODOM:	Odometer Reading	6
N:	New or Used (1=new, 2=used)	1
PUR:	Purchase Date (1=0-3 mos, 2=3-12 mos, 3=1-2 yrs, 4=over 2 yrs)	1
RMT:	Yearly Miles Traveled (1=0-500, 2=501-2,000, 3=2,001-5,000, 4=5,001-10,000, 5=Over 10,000)	1
CS:	City Surface Roads (1=All, 2=3/4, 3=Half, 4=¼, 5=None	1
CF:	City Freeways (1=All, 2=3/4, 3=Half, 4=¼, 5=None)	1
R:	Rural Driving (1=All, 2=3/4, 3=Half, 4=¼, 5=None)	1
ORD:	Off Road Driving (1=All, 2=3/4, 3=Half, 4=¼, 5=None)	1
WS:	To and From Work or School (1=All, 2=3/4, 3=Half 4=¼, 5=None)	1
RE:	Recreation (1=All, 2=3/4, 3=Half, 4=¼, 5=None)	1
O:	Other (shopping, business, etc.) (1=All, 2=3/4, 3=Half, 4=¼, 5=None)	1
TR:	Number of Trips/Day (1=0-1, 2=2-4, 3=5-7, 4=More than 7, 5=Don't know)	1
S:	Sit Between Uses (1=1 day, 2=2-7 days, 3=8-30 days, 4=longer)	1
MFR:	Vehicle Maintained to Manufacturer's Recommendations? (1=Yes, 2=No, 3=Don't Know)	1

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2SHD:	2 Stroke Cylinder Head Decarbonized? (1=Not 2 Stroke, 2=Yes, 3=No, 4=Don't Know)	1
LTU:	Last Tune-up? (1=Too New Not Due, 2=0-3 mos, 3=3-6 mos, 4=6-12 mos, 5=Don't Know)	1
W:	Who Performed Tune-up? (1=Too New Not Due, 2=Dealers 3=Independent Garage, 4=Tune-up Clinic, 5=Owner or Friend, 6=Don't Know)	1
WR:	Vehicle Returned for Warranty Work? (1=Yes, 2=No, 3=Don't Know)	1
MR:	Major Repair? (1=Cooling System, 2=Engine, 3=Fuel Tank, 4=Exhaust System, 5=No Major Repair)	1
MOD:	Modifications to Engine, and/or Exhaust System? (1=Yes, 2=No, 3=Don't Know)	1
OPER:	Operated in Competitive Events or Transporting Heavy Loads? (1=Yes, 2=No, 3=Don't Know)	1
2/4:	Two or four stroke motorcycle?	1

APPENDIX B

LISTING OF TEST VEHICLE USE AND MAINTENANCE DATA

LOS ANGELES

VEH	YR	MAKE	MODEL	VIN	ODOM	N	PUR	YMT	CS	CF	R	ORD	WS	RE	O	TR	S	MFR	2SHD	LTU	W	WR	MR	MOD	OPER	2/4
1	77	HOND	GL1000	GL13017326	19516	1	3	5	3	3	5	5	5	1	5	2	2	1	1	4	2	2	1	2	2	4
2	77	HOND	GL1000	GL13007941	16350	1	3	4	4	2	5	5	3	3	5	2	1	1	1	2	2	1	2	2	2	4
3	77	HOND	GL1000	GL3004173	13940	1	3	4	4	3	4	5	3	3	5	3	2	1	1	5	6	2	1	2	2	4
4	77	HOND	CB750F	CB750F2106439	10508	1	3	3	4	3	4	5	3	3	5	1	2	1	1	2	2	1	1	2	2	4
5	77	HOND	CB750K	CB750K2711869	20263	1	3	4	4	3	4	5	3	3	5	2	2	2	1	3	2	2	2	1	2	4
6	77	HOND	CB750F	CB750F2106488	22028	1	2	4	4	3	4	5	2	4	5	2	1	1	1	2	5	1	2	2	2	4
7	77	HOND	CB750K	CB750K2717350	17731	1	3	4	4	2	5	5	2	5	5	2	1	1	1	3	5	1	1	2	2	4
8	77	HOND	CB750F	CB750F2106612	16804	1	3	5	3	3	5	5	2	4	5	2	2	1	1	3	2	1	2	2	2	4
9	77	HOND	CB750F	CB750F2203141	13439	1	2	4	4	2	5	5	2	4	5	2	2	1	1	3	5	1	2	2	2	4
10	77	HOND	CB550F	CB550F2101869	5039	1	3	3	2	4	5	5	5	1	5	4	2	1	1	3	5	1	2	2	2	4
11	77	HOND	CB550F	CB550F2108655	8201	1	3	3	2	4	5	5	5	1	5	4	2	1	1	3	3	2	1	2	2	4
12	77	HOND	CB550K	CB550K2011635	28131	1	3	5	4	2	5	5	5	1	5	4	2	1	1	3	3	2	1	2	2	4
13	77	HOND	CB400F	CB400FL103182	19620	1	3	3	3	4	4	5	2	4	5	3	1	1	1	3	2	2	1	2	2	4
14	78	HOND	CB400T2	CB400240005008	14088	1	3	4	3	3	5	5	3	3	5	2	1	1	1	2	5	2	1	2	2	4
15	77	HOND	CB550K	CB550K7817	23858	1	3	5	3	3	5	5	4	2	5	4	1	2	1	2	2	2	1	2	2	4
18	78	HOND	XL175	XL175-4200885	439	1	2	1	1	5	5	5	1	5	1	3	1	1	1	1	1	2	1	2	2	4
19	77	HOND	CT90	CT901801225	1835	1	3	2	4	5	5	3	5	3	4	1	1	1	1	1	1	2	1	2	2	4
20	77	HOND	CT125	CT1251012730	1483	1	3	2	5	5	3	4	5	1	5	4	3	1	1	4	2	2	1	2	2	4
21	77	HOND	CT90	CT901802191	5237	1	3	2	4	5	4	3	5	1	5	2	2	1	1	4	2	2	1	2	2	4
22	77	HOND	CT90	CT901801264	803	1	3	1	4	5	2	5	5	1	5	2	3	1	1	3	2	2	1	2	2	4
23	77	HOND	XL75	XL751002293	290	1	3	1	4	5	5	2	5	1	5	4	3	1	1	4	2	2	1	2	2	4
24	77	HOND	CT70	CT702610665	17	1	3	1	1	5	5	5	5	1	5	2	2	1	1	1	1	1	1	2	2	4
25	77	YAMA	XS750 2D	J7101866	31290	1	3	5	4	2	4	5	2	4	5	2	1	1	1	2	2	2	2	2	2	4
26	77	YAMA	XS650D	447709062	23665	1	3	4	4	2	5	5	2	4	5	2	1	1	1	2	5	1	1	2	2	4
28	77	YAMA	XT500D	1E6101018	2319	1	3	2	4	5	4	2	4	3	4	2	3	1	1	2	2	2	1	2	2	4
36	77	KAWA	KZ1000	KZT00AE043570	11466	1	3	3	3	3	5	5	3	3	5	2	1	1	1	2	2	2	1	2	2	4
38	77	KAWA	KZ750B	KZ750BE016751	30878	1	3	5	4	2	5	5	2	4	5	2	1	1	1	2	5	1	1	2	2	4
39	77	KAWA	KZ650C1	KZ650C-004224	33264	1	3	5	3	3	5	5	4	2	5	2	1	1	1	3	2	1	1	2	2	4
40	77	KAWA	KZ650B1	KZ650B504832	40374	1	3	5	4	2	5	5	2	4	5	2	1	1	1	2	5	1	1	1	2	4
41	78	KAWA	KZ650C	KZ650C-011179	19922	1	3	5	3	3	5	5	5	1	5	3	2	1	1	4	2	1	1	2	2	4
44	77	SUZU	GS750B	GS75017188	9462	2	3	3	4	3	4	5	3	4	4	1	2	1	1	4	2	2	1	2	1	4
45	77	SUZU	GS550	GS550110255	12086	1	3	4	4	2	5	5	2	4	5	2	1	1	1	3	2	2	1	2	2	4
46	77	SUZU	GS550	GS550107612	14373	1	3	4	3	3	5	5	3	4	4	2	1	1	1	2	5	1	1	2	2	4
47	77	SUZU	GS400B	GS40021084	8120	1	3	2	3	3	5	5	2	4	5	2	1	2	1	4	2	1	1	1	2	4
51	77	HOND	GL1000	GL13016278	15135	1	3	4	4	2	5	5	4	2	5	3	1	1	1	3	2	2	1	2	2	4
52	77	HOND	GL1000	GL13014328	36214	1	3	5	4	2	5	5	4	2	5	2	2	1	1	3	2	1	2	2	2	4
53	77	HOND	GL1000	GL13016266	10158	1	3	3	4	2	5	5	4	2	5	2	2	1	1	4	5	2	1	2	2	4
54	77	HOND	GL1000	GL13020174	18272	1	2	4	3	4	4	5	3	4	4	2	2	1	1	3	5	1	1	2	2	4
56	77	HOND	CB750K	CB750K2708044	7345	1	3	3	2	4	5	5	2	4	5	2	1	1	1	2	2	2	1	2	2	4
57	77	HOND	CB750K	CB750K2710890	36607	1	3	5	2	4	5	5	3	3	5	3	2	1	1	2	5	2	1	2	2	4
58	77	HOND	CB750K	CB750K2705164	8072	1	3	3	2	4	5	5	4	5	2	3	2	1	1	2	4	1	1	2	2	4
59	77	HOND	CB750K	CB750K2822478	14451	1	2	4	3	3	5	5	3	3	5	3	1	1	1	3	5	2	1	2	2	4

APPENDIX B

LISTING OF TEST VEHICLE USE AND MAINTENANCE DATA

LOS ANGELES

VEH	YR	MAKE	MODEL	VIN	ODOM	N	PUR	YMT	CS	CF	R	ORD	WS	RE	O	TR	S	MFR	2SHD	LTU	W	WR	MR	MOD	OPER	2/4
60	77	HOND	CB750F	CB750F2106682	8581	1	3	2	2	4	5	5	4	2	5	1	2	1	1	3	2	2	1	2	3	4
61	77	HOND	CB750K	CB750K2716522	21632	1	3	2	3	3	5	5	3	3	5	2	3	1	1	3	2	2	1	2	2	4
62	77	HOND	CB750F	CB750F2111321	20826	1	3	5	3	3	5	5	3	3	5	3	2	2	1	3	5	1	2	1	2	4
63	77	HOND	CB750F	CB750F2101900	18161	1	3	4	3	4	4	5	2	4	5	2	2	1	1	2	5	1	1	2	2	4
64	77	HOND	CB550F	CB550F2101643	3729	1	2	3	2	4	5	5	5	1	5	2	2	1	1	3	2	2	1	2	2	4
65	77	HOND	CB550K	CB550K2006950	14280	1	3	4	2	5	4	5	2	4	5	2	1	1	1	3	5	2	2	2	2	4
66	77	HOND	CB550F	CB550F2103702	11635	1	3	4	2	4	5	5	4	2	5	3	2	2	1	3	3	2	1	2	2	4
67	77	HOND	CB550F	CB550F2104199	8876	1	3	3	2	4	5	5	2	4	5	2	2	1	1	3	5	1	1	2	2	4
68	77	HOND	CB400F	CB400F2101469	5567	1	3	3	4	4	3	5	5	1	5	2	2	3	1	3	2	1	1	2	2	4
69	77	HOND	CB400F	CB400F2104161	13174	1	3	4	2	4	5	5	2	4	5	2	1	1	1	4	2	1	1	2	2	4
70	77	HOND	CB400F	CB400F2103125	17324	1	3	4	3	4	4	5	3	4	5	2	1	1	1	2	2	1	1	2	2	4
71	77	HOND	CB400F	CB400F2102642	5727	1	3	2	3	3	5	5	3	3	5	2	2	1	1	2	2	1	1	2	2	4
72	77	HOND	XL350	XL3503101795	4002	1	3	2	3	5	5	3	4	2	5	1	2	1	1	3	2	1	1	2	2	4
73	78	HOND	CB400T1	CB400T2006554	6490	1	3	3	1	5	5	5	2	4	5	2	2	1	1	2	2	1	1	2	2	4
74	78	HOND	CB400T2	CB400T4016713	4490	1	2	3	2	4	5	5	2	4	5	2	2	1	1	3	2	1	1	2	2	4
75	78	HOND	CB400A	CB400A2003136	16712	1	3	5	4	2	5	5	2	4	5	2	1	1	1	3	2	1	1	2	2	4
76	78	HOND	CB400A	CB400A2000381	5186	1	2	3	3	3	5	5	2	4	5	3	1	1	1	3	2	1	1	2	2	4
78	77	HOND	XL175	XL1754101587	3067	1	3	2	4	5	5	2	5	1	5	2	3	1	1	2	5	2	1	2	1	4
79	77	HOND	CT125	CT1251012946	1622	1	3	2	4	5	4	3	3	3	5	2	2	1	1	3	5	1	2	1	2	4
81	78	HOND	XL125	XL125-2102452	8870	1	2	3	1	5	5	5	3	3	5	3	1	1	1	1	1	2	1	2	2	4
82	77	HOND	CT90	CT901808432	977	1	3	2	3	5	4	4	4	2	5	4	2	1	1	1	1	2	1	2	2	4
83	77	HOND	CT90	CT901802835	871	1	3	1	3	5	5	3	5	1	5	2	3	1	1	4	2	2	1	2	2	4
84	77	HOND	XL75	XL751015121	2131	1	3	2	2	5	5	4	2	4	5	3	2	1	1	1	1	1	1	2	2	4
85	77	HOND	CT70	CT702605700	365	1	3	1	2	5	5	4	5	1	5	2	2	1	1	1	1	2	1	2	2	4
86	77	YAMA	XS750	1J7104659	8568	1	2	4	4	4	3	5	5	1	5	5	2	1	1	2	5	1	1	2	2	4
87	77	YAMA	XS650	447709147	8890	2	3	3	4	4	3	5	5	1	5	5	3	1	1	3	5	2	1	2	2	4
88	77	YAMA	XS650	447703225	25842	1	3	5	3	4	4	5	3	4	4	2	1	1	1	2	5	2	5	1	2	4
89	77	YAMA	XT500	1E6109478	1252	1	3	2	2	5	5	4	2	4	5	3	3	1	1	1	1	2	1	2	2	4
90	77	YAMA	XT500	1E6103905	1260	1	2	2	2	5	4	5	2	4	5	2	2	1	1	3	2	2	1	2	2	4
91	77	YAMA	XT500	1E6109327	2626	1	3	2	3	4	5	4	3	3	5	2	1	1	1	1	1	2	1	2	2	4
92	77	YAMA	RD400D	1A1314656	2959	1	2	3	2	4	5	5	2	4	5	3	1	1	3	2	2	1	1	2	2	2
93	77	YAMA	DT400	IM2-002924	8600	1	3	2	2	5	5	4	3	3	5	2	3	1	1	3	2	2	1	2	2	2
94	77	YAMA	RD400D	1A1-314958	20023	1	3	4	4	2	5	5	2	4	5	2	1	1	3	2	5	2	1	2	2	2
95	77	YAMA	XS400	2A2001068	12889	1	3	3	3	3	5	5	4	2	5	2	2	1	3	3	2	2	1	2	2	4
96	77	YAMA	XS400D	2A2001801	9200	1	3	3	3	3	5	5	1	5	5	2	1	1	1	3	3	2	1	2	2	4
97	77	YAMA	XS400	2A2004501	16876	1	3	5	4	2	5	5	1	5	5	3	1	1	1	2	5	1	1	2	2	4
98	77	YAMA	XS360	1L9102915	14722	1	2	4	3	3	5	5	1	5	5	2	1	1	1	3	2	2	1	2	2	4
99	77	YAMA	DT250D	IM1006194	21450	1	3	4	3	4	5	4	3	3	5	2	1	1	3	4	2	2	1	2	2	2

APPENDIX B

LISTING OF TEST VEHICLE USE AND MAINTENANCE DATA

LOS ANGELES

VEH	YR	MAKE	MODEL	VIN	ODOM	N	PUR	YMT	CS	CF	R	ORD	WS	RE	O	TR	S	MFR	2SHD	LTU	W	WR	MR	MOD	OPER	2/4
100	77	YAMA	DT100	IT9-002136	3251	1	3	2	3	5	5	3	5	1	5	4	4	1	3	4	2	2	1	2	2	2
101	77	YAMA	LB803AD	2F7002029	265	1	3	1	1	5	5	5	3	3	5	2	1	1	3	1	1	2	1	2	2	2
102	77	YAMA	LB803AD	IF7100995	3918	1	3	2	2	5	5	4	4	2	5	2	2	1	3	2	2	1	1	2	2	2
103	77	KAWA	KZ1000	KZT00A009580	4878	1	2	4	4	2	5	5	2	4	5	2	1	1	1	2	2	2	1	2	2	4
104	77	KAWA	KZ1000	KZT00B506417	5390	1	2	4	4	3	4	5	3	3	5	2	1	1	1	2	1	1	1	1	2	4
105	77	KAWA	KZ1000	KZT00A022062	13677	1	2	4	3	3	5	5	3	3	5	3	1	1	1	2	2	1	2	1	2	4
106	77	KAWA	KZ750	KZ750BE019612	7462	1	2	4	3	3	5	5	3	4	4	3	1	2	1	2	2	2	1	2	2	4
107	77	KAWA	KZ650	KZ650C009271	5596	1	2	3	3	3	5	5	3	3	5	4	1	1	1	3	2	2	1	2	2	4
108	77	KAWA	KZ650	KZ650C004732	17263	1	3	2	2	4	5	5	4	5	2	3	1	1	1	2	2	2	1	1	2	4
109	77	KAWA	KZ400	K4531012	7845	1	1	5	4	2	5	5	2	4	5	2	1	1	1	2	1	1	1	2	2	4
110	77	KAWA	KZ400	K4065127	1786	1	2	2	3	3	5	5	3	5	3	3	2	1	3	2	2	2	1	2	2	4
111	77	KAWA	KZ400	K4531215	4729	1	2	3	2	4	5	5	1	5	5	4	1	1	1	2	1	2	1	2	2	4
112	77	KAWA	KH400	S3F34470	6202	1	3	2	2	4	5	5	3	3	5	4	1	1	3	2	2	2	1	2	2	2
113	77	KAWA	KE175	KE175B012388	3312	1	3	2	4	5	5	2	4	2	5	4	2	1	3	2	5	2	1	2	1	2
114	77	KAWA	KE100	E5111935	483	1	2	1	5	5	5	1	5	1	5	1	2	1	3	1	1	2	1	2	2	2
115	77	SUZU	GS750	GS75032035	29653	1	2	5	3	4	4	5	3	3	5	2	1	1	1	3	2	2	1	2	2	4
116	77	SUZU	GS550	GS550108546	14205	1	3	4	4	2	5	5	3	3	5	2	1	1	1	3	2	2	1	2	2	4
117	77	SUZU	GS400	GS400-18745	17763	1	2	5	4	2	5	5	1	5	5	2	1	1	1	3	2	2	1	2	2	4
119	77	SUZU	GT185	GT18563164	4132	1	3	3	2	4	5	5	2	4	5	2	1	1	1	2	5	2	1	2	2	4
120	78	SUZU	GS550E	0GS550-113759	5679	1	2	4	4	2	5	5	3	3	5	2	1	1	4	4	2	2	1	2	2	2
121	78	SUZU	GS550E	GS550111560	17467	1	2	5	3	3	5	5	3	3	5	3	1	1	1	3	2	2	1	2	2	4
125	77	BMW	R100S	6160224	27078	1	4	5	4	2	5	5	2	4	4	2	1	1	1	2	5	1	1	2	2	4

APPENDIX B

LISTING OF TEST VEHICLE USE AND MAINTENANCE DATA

LOS ANGELES

VEH	YR	MAKE	MODEL	VIN	ODOM	N	PUR	YMT	CS	CF	R	ORD	WS	RE	O	TR	S	MFR	2SHD	LTU	W	WR	MR	MOD	OPER	2/4
126	78	HOND	GL1000	GL14055415	6918	1	2	4	4	4	3	5	5	1	5	3	2	1	1	1	1	2	1	2	2	4
127	78	HOND	GL1000	GL14051498	9345	1	2	4	3	3	5	5	2	4	5	2	1	1	1	2	2	2	1	2	2	4
129	78	HOND	CB750K	CB750K2859940	1434	1	1	5	2	4	5	5	3	3	5	4	1	1	1	2	2	2	1	2	2	4
130	78	HOND	CB750K	CB750K2860066	8681	1	2	4	2	2	3	5	2	3	5	2	1	1	1	3	2	2	1	2	2	4
134	78	HOND	CX500	CX500-2018574	8991	1	3	4	3	3	5	5	3	3	5	2	1	1	1	3	2	1	2	2	2	4
135	78	HOND	CX500	CX5002023449	10113	1	2	4	4	3	4	5	2	4	5	2	1	1	1	3	2	2	1	2	2	4
136	78	HOND	CX500	CX5002014256	11448	1	2	4	3	3	5	5	2	4	5	2	2	1	1	2	2	1	1	2	2	4
137	78	HOND	CX500	CX5002017996	9111	1	2	4	3	3	5	5	1	5	5	3	1	1	1	2	2	2	1	2	2	4
138	78	HOND	CX500	CX5002022649	10698	1	2	4	3	3	5	5	3	3	5	3	1	1	1	2	2	1	1	2	2	4
139	78	HOND	XL250S	L250S5005174	2233	1	2	2	4	5	5	2	3	3	5	2	1	1	1	3	2	2	1	2	2	4
140	78	HOND	XL250S	L250S5001894	2988	1	2	2	3	4	5	4	2	4	5	3	1	1	1	2	5	2	1	2	2	4
141	78	HOND	XL250S	L250S5001637	291	1	3	4	4	5	5	2	4	2	5	4	2	1	1	2	5	2	1	2	2	4
142	78	HOND	CM185T	CM185T2052042	4662	1	2	4	2	4	5	5	2	4	5	4	1	1	1	2	5	2	1	2	2	4
143	78	HOND	CM185T	CM185T2101128	2240	1	2	4	4	2	5	5	3	3	4	2	2	1	1	2	2	2	1	2	2	4
155	78	YAMA	XS400ZE	2G5001219	4325	1	2	4	4	2	5	5	3	4	4	2	1	2	1	5	6	1	1	2	2	4
158	78	KAWA	KZ1000	KZT00A-516310	4131	1	2	3	3	3	5	5	3	3	5	1	2	1	1	2	2	1	1	2	2	4
159	78	KAWA	KZ1000B2	KZT00B-515206	8985	1	2	4	4	2	5	5	5	1	5	2	1	1	1	2	2	1	1	1	2	4
160	78	KAWA	KZ650B	KZ650B041114	5370	1	2	3	2	4	5	5	5	2	4	3	2	1	1	1	1	1	1	2	2	4
161	78	KAWA	KZ650B	KZ650B521795	8854	1	2	4	3	3	5	5	3	3	5	4	1	1	1	2	2	2	1	1	2	4
162	78	KAWA	KZ650	KZ650D-009248	14860	1	2	5	4	2	5	5	3	3	5	2	1	1	1	2	5	1	1	2	2	4
163	78	KAWA	KZ1000	KZT00A-516313	4865	1	2	3	4	2	5	5	3	3	5	2	1	1	1	2	2	1	1	1	2	4
164	78	KAWA	KZ1000A2	KZT00A515576	17361	1	2	5	3	3	5	5	4	2	5	2	1	1	1	2	5	2	1	2	2	4
165	78	KAWA	KZ1000	KZT00B510271	28451	1	2	5	3	3	5	5	2	4	5	2	1	1	1	2	2	1	1	1	2	4
166	78	KAWA	KZ650B2A	KZ650B036848	14525	1	2	5	3	3	5	5	2	4	5	4	1	1	1	2	2	2	1	2	2	4
167	78	KAWA	KZ650B	KZ650B040425	2897	1	2	3	3	3	5	5	5	1	5	2	2	1	1	3	2	2	1	2	2	4
168	78	KAWA	KZ650B	KZ650BE083694	11339	1	2	4	4	2	5	5	2	4	5	3	1	1	1	2	2	2	1	2	2	4
169	78	KAWA	KZ650D	KZ650D005709	12350	1	2	4	3	3	5	5	2	4	5	3	1	1	1	3	2	2	1	1	2	4
170	78	KAWA	KZ650B	KZ650BE080024	6170	1	2	3	2	4	5	5	2	4	5	4	1	1	1	2	2	2	1	2	2	4
171	78	KAWA	KZ650D1	KZ650D008104	7160	1	2	4	2	4	5	5	2	4	5	3	1	2	1	2	5	1	1	2	2	4
172	78	KAWA	KZ650B2	KZ650B523520	4150	1	2	4	3	3	5	5	5	1	5	3	2	1	1	2	2	1	1	2	2	4
173	78	KAWA	KZ650B	KZ650B043542	4821	1	2	3	3	3	5	5	4	2	5	3	2	1	1	2	5	2	1	2	2	4
174	78	KAWA	KZ650B	KZ650B523415	13220	1	2	5	3	3	5	5	3	3	5	3	1	1	1	2	2	2	1	2	2	4
176	76	SUZU	GS1000E	GS1000508885	10447	1	2	5	3	3	5	5	2	4	5	2	1	1	1	2	2	2	1	2	2	4
177	78	SUZU	GS1000	GS1000507747	3386	1	2	3	3	3	5	5	5	1	5	2	2	1	1	3	2	2	1	2	2	4
182	78	SUZU	GS750E	GS750E26281	3675	1	2	3	4	3	4	5	4	2	5	3	2	1	1	1	1	2	1	2	2	4
185	78	SUZU	GS550E	GS550-132609	5272	1	2	3	4	2	5	5	4	2	5	2	1	1	1	4	5	2	1	1	2	4
187	78	SUZU	GS400	GS40044211	3154	1	2	3	4	2	5	5	2	4	5	2	1	1	1	2	5	2	1	2	2	4
188	78	SUZU	SP370C	SP370-106041	1643	1	3	2	4	4	4	4	2	4	5	2	1	1	1	2	2	2	1	2	2	4
189	78	SUZU	SP370	SP370-10594	140	1	2	2	2	4	5	5	5	2	4	5	4	1	1	1	1	2	1	2	2	4
193	78	HARL	FXE	9D63051H8	5659	1	2	3	4	2	5	5	2	4	5	2	1	1	1	2	2	1	1	2	2	4
194	79	HARL	XLH1000	3A10367H9	9305	1	2	4	1	5	5	5	2	4	5	2	1	1	1	3	5	1	1	2	2	4
217	78	KAWA	KZ650D1	KZ650DE009293	935	1	2	5	3	3	5	5	2	4	5	1	1	1	1	1	1	2	1	2	2	4
218	78	KAWA	KZ650B	KZ650B521790	9229	1	2	4	3	3	5	5	4	2	5	1	1	1	1	2	5	2	2	1	2	4
219	78	KAWA	KZ650B2	KZ650B-035766	14163	1	2	4	4	2	5	5	2	4	5	2	1	1	1	2	3	2	1	2	2	4
220	78	KAWA	KZ650B	KZ650B035402	10187	1	2	4	3	3	5	5	4	2	5	2	1	1	1	4	2	2	1	2	2	4
221	78	KAWA	KZ650D1	KZ650DE007410	8985	1	2	4	4	2	5	5	5	1	5	4	2	1	1	2	2	1	1	2	2	4
227	78	SUZU	GS400	GS40049791	3908	1	2	3	2	4	5	5	2	4	5	2	1	1	1	2	5	1	1	2	2	4
228	78	SUZU	SP370	SP370103576	9419	1	2	4	2	4	5	5	1	5	5	2	2	1	1	3	5	1	1	2	2	4

APPENDIX C

LISTING OF EVAPORATIVE EMISSIONS TEST PROCEDURE RESULTS ON INDIVIDUAL VEHICLES

APPENDIX C

LISTING OF EVAPORATIVE EMISSIONS TEST PROCEDURE RESULTS
ON INDIVIDUAL VEHICLES

LOS ANGELES

VEHICLE NUMBER	YR	MAKE	MODEL	CCD	HC, GRAMS		
					DIURNAL	HOT SOAK	TOTAL
60	77	HOND	CB750F	736	20.56	6.50	27.06
61	77	HOND	CB750K	736	23.56	4.97	28.53
62	77	HOND	CB750F	736	13.70	4.26	17.96
63	77	HOND	CB750F	736	8.44	5.87	14.31
64	77	HOND	CB550F	544	14.15	3.11	17.26
65	77	HOND	CB550K	544	24.50	8.78	33.28
66	77	HOND	CB550F	544	10.58	7.99	18.57
67	77	HOND	CB550F	544	6.94	6.78	13.72
68	77	HOND	CB400F	408	6.37	5.20	11.57
69	77	HOND	CB400F	408	9.35	4.62	13.97
70	77	HOND	CB400F	408	11.48	7.72	19.20
71	77	HOND	CB400F	408	7.39	10.39	17.78
72	77	HOND	XL350	348	4.93	3.36	8.29
73	78	HOND	CB400T1	395	5.64	4.09	9.73
74	78	HOND	CB400T2	395	4.28	3.88	8.15
75	78	HOND	CB400A	395	4.10	4.00	8.11
76	78	HOND	CB400A	395	3.94	3.56	7.50
78	77	HOND	XL175	173	4.95	2.43	7.38
79	77	HOND	CT125	124	8.40	8.34	16.74
81	78	HOND	XL125	124	1.89	1.19	3.08
82	77	HOND	CT90	89	.42	.37	.79
83	77	HOND	CT90	89	.53	1.48	2.01
84	77	HOND	XL75	74	2.69	.90	3.59
85	77	HOND	CT70	72	.11	2.03	2.14
86	77	YAMA	XS750	743	13.30	5.66	18.96
87	77	YAMA	XS650	653	10.80	5.55	16.35
88	77	YAMA	XS650	653	7.02	6.84	13.86
89	77	YAMA	XT500	498	3.01	4.15	7.16
90	77	YAMA	XT500	498	13.06	2.56	15.62
91	77	YAMA	XT500	498	3.54	1.79	5.33
92	77	YAMA	RD400D	400	7.75	3.06	10.81
93	77	YAMA	DT400	400	4.46	1.84	6.30
94	77	YAMA	RD400D	400	8.76	1.65	10.41
95	77	YAMA	XS400	391	8.37	1.70	10.07
96	77	YAMA	XS400D	391	3.78	1.00	4.84
97	77	YAMA	XS400	391	4.50	1.14	5.64
98	77	YAMA	XS360	347	8.98	1.84	10.82
99	77	YAMA	DT250D	246	4.07	1.11	5.18

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APPENDIX C

LISTING OF EVAPORATIVE EMISSIONS TEST PROCEDURE RESULTS
ON INDIVIDUAL VEHICLES

LOS ANGELES

VEHICLE NUMBER	YR	MAKE	MODEL	CCD	HC, GRAMS		
					DIURNAL	HOT SOAK	TOTAL
1	77	HOND	GL1000	999	.93	3.21	4.14
2	77	HOND	GL1000	999	.92	3.59	4.51
3	77	HOND	GL1000	999	.30	8.03	8.33
4	77	HOND	CB750F	736	21.02	11.37	32.39
5	77	HOND	CB750K	736	14.75	8.27	23.02
6	77	HOND	CB750F	736	12.94	6.68	19.62
7	77	HOND	CB750K	736	18.79	4.11	22.90
8	77	HOND	CB750F	736	12.30	9.01	21.31
9	77	HOND	CB750F	736	6.67	4.10	10.78
10	77	HOND	CB550F	544	13.95	10.52	24.47
11	77	HOND	CB550F	544	13.79	9.58	23.37
12	77	HOND	CB550K	544	11.53	5.94	17.47
13	77	HOND	CB400F	408	8.19	5.86	14.05
14	78	HOND	CB400T2	395	7.67	5.58	13.25
15	77	HOND	CB550K	544	9.01	5.78	14.79
18	78	HOND	XL175	173	2.89	2.32	5.22
19	77	HOND	CT90	89	.49	.55	1.04
20	77	HOND	CT125	124	5.07	.47	5.54
21	77	HOND	CT90	89	.57	.64	1.21
22	77	HOND	CT90	89	.84	.36	1.20
23	77	HOND	XL75	74	3.36	.47	3.83
24	77	HOND	CT70	72	.57	1.45	2.02
25	77	YAMA	XS750D	743	19.25	7.11	26.04
26	77	YAMA	XS650D	653	17.67	5.58	23.25
28	77	YAMA	XT500D	498	8.02	3.37	11.39
36	77	KAWA	KZ1000	1015	7.23	11.53	18.76
38	77	KAWA	KZ750B	745	7.89	4.13	12.02
39	77	KAWA	KZ650C1	652	9.33	17.97	27.30
40	77	KAWA	KZ650B1	652	11.17	13.42	24.59
41	78	KAWA	KZ650C	652	7.29	11.46	18.75
44	77	SUZU	GS750B	748	11.99	12.03	24.02
45	77	SUZU	GS550	549	7.88	10.87	18.75
46	77	SUZU	GS550	549	11.80	14.09	25.89
47	77	SUZU	GS400B	398	11.37	7.39	18.76
51	77	HOND	GL1000	999	.95	5.38	6.33
52	77	HOND	GL1000	999	1.09	4.21	5.30
53	77	HOND	GL1000	999	12.65	15.01	27.66
54	77	HOND	GL1000	999	1.32	2.63	3.95
56	77	HOND	CB750K	736	16.69	5.43	22.12
57	77	HOND	CB750K	736	13.25	8.97	22.22
58	77	HOND	CB750K	736	12.02	5.47	17.49
59	77	HOND	CB750K	736	13.56	9.37	22.93

APPENDIX C

LISTING OF EVAPORATIVE EMISSIONS TEST PROCEDURE RESULTS
ON INDIVIDUAL VEHICLES

LOS ANGELES

VEHICLE NUMBER	YR	MAKE	MODEL	CCD	HC, GRAMS		
					DIURNAL	HOT SOAK	TOTAL
100	77	YAMA	DT100	97	1.83	.30	2.13
101	77	YAMA	LB803AD	73	.39	.50	.89
102	77	YAMA	LB803AD	73	.72	.73	1.45
103	77	KAWA	KZ1000	1015	15.88	18.52	34.40
104	77	KAWA	KZ1000	1015	15.02	11.54	26.56
105	77	KAWA	KZ1000	1015	21.18	15.05	36.23
106	77	KAWA	KZ750	745	10.36	8.68	19.04
107	77	KAWA	KZ650	652	7.07	14.34	21.41
108	77	KAWA	KZ650	652	16.43	13.57	30.00
109	77	KAWA	KZ400	398	6.15	5.81	11.96
110	77	KAWA	KZ400	398	11.80	8.96	20.76
111	77	KAWA	KZ400	398	15.76	5.10	20.86
112	77	KAWA	KH400	400	15.09	9.60	24.69
113	77	KAWA	KE175	174	5.26	2.13	7.39
114	77	KAWA	KE100	99	2.82	2.05	4.87
115	77	SUZU	GS750	748	12.91	13.52	26.43
116	77	SUZU	GS550	549	12.00	12.39	24.39
117	77	SUZU	GS400	398	10.46	3.73	14.19
119	77	SUZU	GT185	184	6.16	2.45	8.61
120	78	SUZU	GS550E	549	11.89	10.45	22.34
121	78	SUZU	GS550E	549	10.23	12.61	22.84
125	77	BMW	R100S	980	16.42	2.88	19.30

APPENDIX C

LISTING OF EVAPORATIVE EMISSIONS TEST PROCEDURE RESULTS
ON INDIVIDUAL VEHICLES

LOS ANGELES

VEHICLE NUMBER	YR	MAKE	MODEL	CCD	HC, GRAMS		
					DIURNAL	HOT SOAK	TOTAL
126	78	HOND	GL1000	999	1.03	3.38	4.41
127	78	HOND	GL1000	999	.96	2.65	3.61
129	78	HOND	CB750K	736	10.96	10.26	21.23
130	78	HOND	CB750K	736	7.09	5.69	12.78
134	78	HOND	CX500	500	12.93	4.37	17.30
135	78	HOND	CX500	500	8.05	4.52	12.57
136	78	HOND	CX500	500	7.54	5.16	12.70
137	78	HOND	CX500	500	27.97	4.19	32.16
138	78	HOND	CX500	500	9.49	3.37	12.86
139	78	HOND	XL250S	249	5.10	3.69	8.79
140	78	HOND	XL250S	249	9.69	3.42	13.11
141	78	HOND	XL250S	249	5.36	2.58	7.94
142	78	HOND	CM185T	180	6.50	3.29	9.79
143	78	HOND	CM185T	180	4.24	2.69	6.93
155	78	YAMA	XS400ZE	391	16.12	2.82	18.94
158	78	KAWA	KZ1000	1015	11.72	16.54	28.26
159	78	KAWA	KZ1000B2	1015	8.99	10.83	19.82
160	78	KAWA	KZ650B	652	10.83	20.58	31.42
161	78	KAWA	KZ650B	652	12.10	13.07	25.17
162	78	KAWA	KZ650	652	10.86	13.88	24.74
163	78	KAWA	KZ1000	1015	8.25	16.22	24.47
164	78	KAWA	KZ1000A2	1015	10.11	22.19	32.30
165	78	KAWA	KZ1000	1015	6.65	12.78	19.42
166	78	KAWA	KZ650B2A	652	24.58	11.15	35.73
167	78	KAWA	KZ650B	652	10.72	15.34	26.05
168	78	KAWA	KZ650B	652	11.11	20.01	31.12
169	78	KAWA	KZ650D	652	5.87	15.23	21.10
170	78	KAWA	KZ650B	652	26.13	18.71	44.84
171	78	KAWA	KZ650D1	652	9.06	14.32	23.38
172	78	KAWA	KZ650B2	652	7.91	15.06	22.97
173	78	KAWA	KZ650B	652	12.71	19.25	31.96
174	78	KAWA	KZ650B	652	11.38	15.03	26.41
176	78	SUZU	GS1000E	997	20.83	12.43	33.26
177	78	SUZU	GS1000	997	10.85	15.11	25.96
182	78	SUZU	GS750E	748	13.52	15.54	29.06
185	78	SUZU	GS550E	549	12.66	23.00	35.66
187	78	SUZU	GS400	398	8.65	4.33	12.98
188	78	SUZU	SP370C	370	7.26	4.80	12.06
189	78	SUZU	SP370	370	3.19	6.56	9.75
193	78	HARL	FXE	1200	16.77	8.57	25.34
194	79	HARL	XLH1000	1000	5.11	15.85	20.95
217	78	KAWA	KZ650D1	652	4.59	12.52	17.08
218	78	KAWA	KZ650B	652	12.09	18.89	30.98
219	78	KAWA	KZ650B2	652	10.23	10.63	20.87
220	78	KAWA	KZ650B	652	10.52	12.85	23.37
221	78	KAWA	KZ650D1	652	10.12	17.53	27.65
227	78	SUZU	GS400	398	5.16	3.80	8.96
228	78	SUZU	SP370	370	2.26	3.13	5.39

APPENDIX D

LISTING OF FEDERAL TEST PROCEDURE RESULTS ON INDIVIDUAL VEHICLES

APPENDIX D

LISTING OF FEDERAL TEST PROCEDURE RESULTS
ON INDIVIDUAL VEHICLES

LOS ANGELES

EXHAUST EMISSIONS IN GRAMS PER KILOMETER
FUEL CONSUMPTION IN LITERS PER 100 KILOMETERS
SN=1, AS RECEIVED; SN=2, AFTER REST. MAINT.

VEHICLE NUMBER	YR	MAKE	MODEL	CCD	SN	TEST TYPE	HC	CO	CO2	NOXC	FUEL CONS
1	77	HOND	GL1000	999	1	COLD TRANS	2.54	9.80	137.8	1.06	6.88
IHC, PPM HEXANE			175			COLD STAB	2.26	8.73	142.4	.44	6.96
ICO(ACTUAL), PCT			.25			HOT TRANS	1.45	8.01	121.2	.90	5.90
						1975 FTP	2.10	8.75	135.6	.70	6.65
1	77	HOND	GL1000	999	2	COLD TRANS	3.14	7.92	121.9	.90	6.15
IHC, PPM HEXANE			600			COLD STAB	2.59	6.51	125.7	.37	6.15
ICO(ACTUAL), PCT			.30			HOT TRANS	1.67	6.06	105.2	.76	5.12
						1975 FTP	2.45	6.68	119.3	.59	5.87
2	77	HOND	GL1000	999	1	COLD TRANS	6.26	31.81	115.2	.48	7.89
IHC, PPM HEXANE			300			COLD STAB	2.39	31.39	124.2	.17	7.72
ICO(ACTUAL), PCT			2.70			HOT TRANS	1.69	29.53	98.4	.28	6.40
						1975 FTP	3.00	30.97	115.3	.26	7.40
2	77	HOND	GL1000	999	2	COLD TRANS	5.72	9.95	135.3	.86	7.21
IHC, PPM HEXANE			50			COLD STAB	3.75	10.00	135.1	.33	6.94
ICO(ACTUAL), PCT			.05			HOT TRANS	2.28	6.53	112.6	.78	5.55
						1975 FTP	3.76	9.04	129.0	.56	6.61
3	77	HOND	GL1000	999	1	COLD TRANS	4.00	20.06	120.1	1.22	7.01
IHC, PPM HEXANE			275			COLD STAB	3.99	21.97	120.4	.42	7.15
ICO(ACTUAL), PCT			4.50			HOT TRANS	2.58	17.74	102.2	.87	5.90
						1975 FTP	3.60	20.41	115.3	.71	6.78
3	77	HOND	GL1000	999	2	COLD TRANS	2.36	13.76	121.2	.97	6.41
IHC, PPM HEXANE			500			COLD STAB	2.73	17.63	130.4	.35	7.11
ICO(ACTUAL), PCT			3.00			HOT TRANS	1.74	12.99	107.4	.79	5.69
						1975 FTP	2.38	15.55	122.2	.60	6.58
4	77	HOND	CB750F	736	1	COLD TRANS	2.18	6.07	119.4	1.48	5.79
IHC, PPM HEXANE			700			COLD STAB	2.69	18.81	92.6	.59	5.57
ICO(ACTUAL), PCT			4.80			HOT TRANS	2.03	12.73	95.1	1.26	5.18
						1975 FTP	2.40	14.51	98.8	.96	5.51
4	77	HOND	CB750F	736	2	COLD TRANS	1.92	5.42	122.3	1.28	5.84
IHC, PPM HEXANE			550			COLD STAB	1.96	13.32	99.5	.49	5.40
ICO(ACTUAL), PCT			1.30			HOT TRANS	1.60	9.97	95.0	1.07	4.94
						1975 FTP	1.85	10.77	103.0	.81	5.36

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APPENDIX D

LISTING OF FEDERAL TEST PROCEDURE RESULTS
ON INDIVIDUAL VEHICLES

LOS ANGELES

EXHAUST EMISSIONS IN GRAMS PER KILOMETER
FUEL CONSUMPTION IN LITERS PER 100 KILOMETERS
SN=1, AS RECEIVED; SN=2, AFTER REST. MAINT.

VEHICLE NUMBER	YR	MAKE	MODEL	CCD	SN	TEST TYPE	HC	CO	CO2	NOXC	FUEL CONS
5	77	HOND	CB750K	736	1	COLD TRANS	2.51	10.28	98.8	1.16	5.24
IHC, PPM HEXANE			750			COLD STAB	2.32	19.31	97.2	.62	5.75
ICO(ACTUAL), PCT			1.00			HOT TRANS	1.42	13.25	87.7	1.00	4.82
						1975 FTP	2.11	15.78	94.9	.84	5.39
5	77	HOND	CB750K	736	2	COLD TRANS	2.39	9.67	101.6	1.06	5.30
IHC, PPM HEXANE			140			COLD STAB	2.08	20.95	83.8	.32	5.26
ICO(ACTUAL), PCT			.60			HOT TRANS	1.37	14.66	81.6	.76	4.65
						1975 FTP	1.95	16.89	86.9	.59	5.10
6	77	HOND	CB750F	736	1	COLD TRANS	2.47	5.60	105.6	1.26	5.21
IHC, PPM HEXANE			1400			COLD STAB	3.65	14.79	93.9	.69	5.49
ICO(ACTUAL), PCT			2.20			HOT TRANS	2.57	10.82	89.1	1.19	4.87
						1975 FTP	3.11	11.80	95.0	.95	5.26
6	77	HOND	CB750F	736	2	COLD TRANS	2.22	4.98	105.6	1.22	5.14
IHC, PPM HEXANE			350			COLD STAB	2.18	10.94	94.2	.57	5.05
ICO(ACTUAL), PCT			1.60			HOT TRANS	1.54	8.33	86.1	1.26	4.44
						1975 FTP	2.01	8.99	94.3	.89	4.90
7	77	HOND	CB750K	736	1	COLD TRANS	1.23	6.99	100.0	1.29	4.90
IHC, PPM HEXANE			400			COLD STAB	1.79	14.82	81.6	.51	4.72
ICO(ACTUAL), PCT			1.00			HOT TRANS	1.08	10.01	81.8	1.18	4.31
						1975 FTP	1.48	11.90	85.4	.85	4.64
7	77	HOND	CB750K	736	2	COLD TRANS	1.37	7.87	99.5	1.20	4.96
IHC, PPM HEXANE			256			COLD STAB	1.79	19.71	82.4	.43	5.08
ICO(ACTUAL), PCT			1.73			HOT TRANS	1.23	11.88	78.9	1.08	4.33
						1975 FTP	1.55	15.12	85.0	.77	4.85
8	77	HOND	CB750F	736	1	COLD TRANS	2.01	5.60	110.5	1.29	5.36
IHC, PPM HEXANE			1150			COLD STAB	2.56	17.31	91.1	.48	5.39
ICO(ACTUAL), PCT			2.90			HOT TRANS	2.16	13.02	88.4	1.05	4.94
						1975 FTP	2.34	13.71	94.4	.80	5.26
8	77	HOND	CB750F	736	2	COLD TRANS	1.99	6.57	114.0	1.25	5.57
IHC, PPM HEXANE			1200			COLD STAB	2.19	14.86	84.8	.34	4.91
ICO(ACTUAL), PCT			1.60			HOT TRANS	1.89	13.62	90.6	.90	5.03
						1975 FTP	2.07	12.80	92.4	.68	5.08

APPENDIX D

LISTING OF FEDERAL TEST PROCEDURE RESULTS ON INDIVIDUAL VEHICLES

LOS ANGELES

EXHAUST EMISSIONS IN GRAMS PER KILOMETER
FUEL CONSUMPTION IN LITERS PER 100 KILOMETERS
SN=1, AS RECEIVED; SN=2, AFTER REST. MAINT.

VEHICLE NUMBER	YR	MAKE	MODEL	CCD	SN	TEST TYPE	HC	CO	CO2	NOXC	FUEL CONS
9	77	HOND	CB750F	736	1	COLD TRANS	2.48	8.22	112.1	1.24	5.67
IHC, PPM HEXANE			1125			COLD STAB	2.78	20.72	92.3	.48	5.70
ICO(ACTUAL), PCT			3.90			HOT TRANS	2.21	12.98	91.3	1.17	5.06
						1975 FTP	2.56	16.02	96.1	.83	5.52
9	77	HOND	CB750F	736	2	COLD TRANS	2.64	10.03	100.9	1.10	5.33
IHC, PPM HEXANE			1200			COLD STAB	2.05	15.11	100.6	.48	5.58
ICO(ACTUAL), PCT			1.35			HOT TRANS	1.65	10.17	97.5	1.19	5.06
						1975 FTP	2.06	12.70	99.8	.80	5.39
10	77	HOND	CB550F	544	1	COLD TRANS	2.37	35.72	64.1	.16	5.45
IHC, PPM HEXANE			900			COLD STAB	3.03	43.39	63.5	.09	6.03
ICO(ACTUAL), PCT			1.70			HOT TRANS	2.43	45.71	54.1	.10	5.70
						1975 FTP	2.73	42.44	61.1	.11	5.82
10	77	HOND	CB550F	544	2	COLD TRANS	2.97	39.19	65.0	.11	5.80
IHC, PPM HEXANE			250			COLD STAB	4.04	46.77	59.0	.06	6.20
ICO(ACTUAL), PCT			3.00			HOT TRANS	3.23	47.61	54.3	.07	5.94
						1975 FTP	3.60	45.44	59.0	.07	6.05
11	77	HOND	CB550F	544	1	COLD TRANS	2.96	44.55	70.0	.14	6.37
IHC, PPM HEXANE			500			COLD STAB	2.90	48.09	64.8	.08	6.38
ICO(ACTUAL), PCT			5.00			HOT TRANS	2.80	52.02	53.3	.08	6.14
						1975 FTP	2.88	48.44	62.7	.09	6.31
11	77	HOND	CB550F	544	2	COLD TRANS	3.28	47.21	68.4	.12	6.53
IHC, PPM HEXANE			320			COLD STAB	3.68	49.60	62.4	.08	6.48
ICO(ACTUAL), PCT			2.00			HOT TRANS	3.16	53.13	52.8	.07	6.24
						1975 FTP	3.45	50.08	61.0	.09	6.43
12	77	HOND	CB550K	544	1	COLD TRANS	1.83	12.28	88.4	.62	4.84
IHC, PPM HEXANE			288			COLD STAB	1.86	14.52	78.8	.37	4.59
ICO(ACTUAL), PCT			1.46			HOT TRANS	1.53	16.40	71.7	.42	4.36
						1975 FTP	1.76	14.57	78.8	.44	4.58
12	77	HOND	CB550K	544	2	COLD TRANS	1.39	11.58	99.9	.72	5.22
IHC, PPM HEXANE			82			COLD STAB	1.31	12.59	87.6	.50	4.76
ICO(ACTUAL), PCT			.35			HOT TRANS	1.29	17.66	79.1	.51	4.73
						1975 FTP	1.32	13.77	87.8	.55	4.85

APPENDIX D

LISTING OF FEDERAL TEST PROCEDURE RESULTS
ON INDIVIDUAL VEHICLES

LOS ANGELES

EXHAUST EMISSIONS IN GRAMS PER KILOMETER
FUEL CONSUMPTION IN LITERS PER 100 KILOMETERS
SN=1, AS RECEIVED; SN=2, AFTER REST. MAINT.

VEHICLE NUMBER	YR	MAKE	MODEL	CCD	SN	TEST TYPE	HC	CO	CO2	NOXC	FUEL CONS
13	77	HOND	CB400F	408	1	COLD TRANS	2.82	28.92	74.3	.37	5.49
IHC, PPM HEXANE			650			COLD STAB	3.23	33.93	56.3	.15	5.11
ICO(ACTUAL), PCT			2.20			HOT TRANS	2.75	36.46	60.9	.22	5.41
						1975 FTP	3.01	33.59	61.3	.21	5.27
13	77	HOND	CB400F	408	2	COLD TRANS	3.00	23.84	80.0	.34	5.42
IHC, PPM HEXANE			1000			COLD STAB	2.33	21.97	65.9	.17	4.60
ICO(ACTUAL), PCT			1.80			HOT TRANS	2.23	29.76	64.8	.23	5.06
						1975 FTP	2.44	24.49	68.5	.22	4.89
14	78	HOND	CB400T2	395	1	COLD TRANS	1.66	16.65	78.9	.40	4.71
IHC, PPM HEXANE			235			COLD STAB	1.56	15.44	70.8	.20	4.27
ICO(ACTUAL), PCT			1.33			HOT TRANS	1.25	15.12	69.5	.32	4.15
						1975 FTP	1.50	15.60	72.1	.27	4.32
14	78	HOND	CB400T2	395	2	COLD TRANS	1.52	16.29	78.9	.39	4.66
IHC, PPM HEXANE			400			COLD STAB	1.40	16.35	72.2	.21	4.36
ICO(ACTUAL), PCT			2.65			HOT TRANS	1.19	16.65	70.4	.33	4.28
						1975 FTP	1.37	16.42	73.1	.28	4.40
15	77	HOND	CB550K	544	1	COLD TRANS	1.69	12.87	92.7	.63	5.04
IHC, PPM HEXANE			124			COLD STAB	2.01	17.19	79.6	.40	4.82
ICO(ACTUAL), PCT			1.78			HOT TRANS	1.70	19.48	77.6	.49	4.85
						1975 FTP	1.86	16.93	81.8	.47	4.87
15	77	HOND	CB550K	544	2	COLD TRANS	2.11	5.14	93.7	.75	4.63
IHC, PPM HEXANE			89			COLD STAB	1.42	11.86	87.5	.40	4.72
ICO(ACTUAL), PCT			1.28			HOT TRANS	1.10	7.98	81.5	.79	4.16
						1975 FTP	1.47	9.42	87.1	.58	4.55
18	78	HOND	XL175	173	1	COLD TRANS	1.35	14.34	54.8	.31	3.48
IHC, PPM HEXANE			425			COLD STAB	.85	14.65	43.5	.11	2.95
ICO(ACTUAL), PCT			2.80			HOT TRANS	.75	17.05	49.2	.32	3.34
						1975 FTP	.93	15.24	47.4	.21	3.17
18	78	HOND	XL175	173	2	COLD TRANS	1.11	14.24	55.9	.40	3.53
IHC, PPM HEXANE			425			COLD STAB	.83	13.70	45.3	.15	2.96
ICO(ACTUAL), PCT			1.90			HOT TRANS	.78	14.66	53.8	.41	3.38
						1975 FTP	.87	14.20	49.8	.27	3.19

APPENDIX D

LISTING OF FEDERAL TEST PROCEDURE RESULTS ON INDIVIDUAL VEHICLES

LOS ANGELES

EXHAUST EMISSIONS IN GRAMS PER KILOMETER
FUEL CONSUMPTION IN LITERS PER 100 KILOMETERS
SN=1, AS RECEIVED; SN=2, AFTER REST. MAINT.

VEHICLE NUMBER	YR	MAKE	MODEL	CCD	SN	TEST TYPE	HC	CO	CO2	NOXC	FUEL CONS
19	77	HOND	CT90	89	1	COLD TRANS	1.30	12.78	28.5	.19	2.25
IHC, PPM HEXANE			400			COLD STAB	.97	15.50	24.9	.15	2.23
ICO(ACTUAL), PCT			8.10			HOT TRANS	.83	13.01	28.1	.20	2.18
						1975 FTP	1.00	14.40	26.3	.17	2.22
19	77	HOND	CT90	89	2	COLD TRANS	.91	9.88	28.7	.21	2.01
IHC, PPM HEXANE			225			COLD STAB	.65	9.84	27.4	.18	1.92
ICO(ACTUAL), PCT			2.60			HOT TRANS	.56	10.21	27.2	.20	1.92
						1975 FTP	.68	9.94	27.6	.19	1.93
20	77	HOND	CT125	124	1	COLD TRANS	.71	11.28	40.3	.23	2.57
IHC, PPM HEXANE			225			COLD STAB	.74	14.86	35.7	.13	2.62
ICO(ACTUAL), PCT			8.50			HOT TRANS	.59	12.83	34.3	.21	2.40
						1975 FTP	.70	13.70	36.2	.17	2.56
20	77	HOND	CT125	124	2	COLD TRANS	1.23	12.77	41.2	.22	2.78
IHC, PPM HEXANE			350			COLD STAB	.65	14.87	40.3	.17	2.80
ICO(ACTUAL), PCT			2.00			HOT TRANS	.57	14.90	35.4	.18	2.59
						1975 FTP	.74	14.49	39.3	.18	2.75
21	77	HOND	CT90	89	1	COLD TRANS	1.05	15.97	32.8	.13	2.61
IHC, PPM HEXANE			600			COLD STAB	1.02	17.83	26.8	.11	2.48
ICO(ACTUAL), PCT			8.00			HOT TRANS	.85	16.23	30.6	.13	2.51
						1975 FTP	.98	17.10	28.8	.12	2.51
21	77	HOND	CT90	89	2	COLD TRANS	.86	10.91	32.9	.25	2.25
IHC, PPM HEXANE			380			COLD STAB	.70	11.39	28.1	.19	2.06
ICO(ACTUAL), PCT			.55			HOT TRANS	.63	11.81	29.9	.25	2.15
						1975 FTP	.71	11.40	29.4	.22	2.12
22	77	HOND	CT90	89	1	COLD TRANS	1.39	11.68	36.9	.35	2.54
IHC, PPM HEXANE			340			COLD STAB	.85	11.99	25.0	.23	1.98
ICO(ACTUAL), PCT			5.20			HOT TRANS	.73	10.83	27.2	.29	1.98
						1975 FTP	.92	11.65	27.7	.27	2.09
22	77	HOND	CT90	89	2	COLD TRANS	.90	9.30	32.4	.39	2.13
IHC, PPM HEXANE			250			COLD STAB	.66	9.20	27.0	.32	1.86
ICO(ACTUAL), PCT			.90			HOT TRANS	.55	9.46	26.6	.33	1.84
						1975 FTP	.68	9.28	27.9	.34	1.90

APPENDIX D

LISTING OF FEDERAL TEST PROCEDURE RESULTS
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LOS ANGELES

EXHAUST EMISSIONS IN GRAMS PER KILOMETER
FUEL CONSUMPTION IN LITERS PER 100 KILOMETERS
SN=1, AS RECEIVED; SN=2, AFTER REST. MAINT.

VEHICLE NUMBER	YR	MAKE	MODEL	CCD	SN	TEST TYPE	HC	CO	CO2	NOXC	FUEL CONS
23	77	HOND	XL75	74	1	COLD TRANS	1.82	9.77	31.8	.19	2.26
IHC, PPM HEXANE			350			COLD STAB	1.61	13.23	24.8	.12	2.16
ICO(ACTUAL), PCT			3.60			HOT TRANS	1.29	11.29	27.5	.18	2.10
						1975 FTP	1.57	12.12	26.7	.15	2.17
23	77	HOND	XL75	74	2	COLD TRANS	1.25	7.27	33.7	.23	2.09
IHC, PPM HEXANE			325			COLD STAB	1.23	10.01	28.1	.15	2.04
ICO(ACTUAL), PCT			1.30			HOT TRANS	.91	8.65	31.0	.23	2.02
						1975 FTP	1.16	9.18	29.8	.18	2.04
24	77	HOND	CT70	72	1	COLD TRANS	.89	3.57	46.2	.29	2.33
IHC, PPM HEXANE			40			COLD STAB	.51	4.74	33.1	.27	1.80
ICO(ACTUAL), PCT			.35			HOT TRANS	.44	3.79	37.3	.33	1.90
						1975 FTP	.56	4.30	36.5	.29	1.92
24	77	HOND	CT70	72	2	COLD TRANS	.78	2.72	43.0	.26	2.12
IHC, PPM HEXANE			230			COLD STAB	.49	4.12	31.3	.23	1.68
ICO(ACTUAL), PCT			1.30			HOT TRANS	.41	3.36	37.2	.31	1.87
						1975 FTP	.52	3.68	34.8	.25	1.80
25	77	YAMA	XS7502D	743	1	COLD TRANS	2.13	34.48	86.5	.47	6.29
IHC, PPM HEXANE			300			COLD STAB	1.42	33.30	73.7	.10	5.57
ICO(ACTUAL), PCT			.20			HOT TRANS	1.68	37.23	69.3	.30	5.68
						1975 FTP	1.64	34.62	75.1	.23	5.75
25	77	YAMA	XS7502D	743	2	COLD TRANS	2.42	35.67	88.8	.54	6.51
IHC, PPM HEXANE			162			COLD STAB	1.54	36.70	79.7	.12	6.07
ICO(ACTUAL), PCT			.55			HOT TRANS	1.88	38.89	72.2	.34	5.94
						1975 FTP	1.82	37.09	79.5	.27	6.12
26	77	YAMA	XS650D	653	1	COLD TRANS	1.62	27.98	62.6	.24	4.76
IHC, PPM HEXANE			150			COLD STAB	1.27	24.36	61.4	.10	4.42
ICO(ACTUAL), PCT			1.70			HOT TRANS	1.19	27.87	56.0	.24	4.42
						1975 FTP	1.32	26.07	60.2	.17	4.49
26	77	YAMA	XS650D	653	2	COLD TRANS	1.63	25.44	75.1	.29	5.13
IHC, PPM HEXANE			375			COLD STAB	1.33	31.82	64.8	.09	5.08
ICO(ACTUAL), PCT			1.45			HOT TRANS	1.16	28.13	64.9	.26	4.81
						1975 FTP	1.35	29.49	67.0	.18	5.01

APPENDIX D

LISTING OF FEDERAL TEST PROCEDURE RESULTS ON INDIVIDUAL VEHICLES

LOS ANGELES

EXHAUST EMISSIONS IN GRAMS PER KILOMETER
FUEL CONSUMPTION IN LITERS PER 100 KILOMETERS
SN=1, AS RECEIVED; SN=2, AFTER REST. MAINT.

VEHICLE NUMBER	YR	MAKE	MODEL	CCD	SN	TEST TYPE	HC	CO	CO2	NOXC	FUEL CONS
28	77	YAMA	XT500D	498	1	COLD TRANS	1.12	16.64	53.5	.45	3.55
IHC, PPM HEXANE			50			COLD STAB	1.17	25.38	41.4	.13	3.62
ICO(ACTUAL), PCT			2.40			HOT TRANS	.92	17.28	49.0	.45	3.37
						1975 FTP	1.09	21.35	46.0	.28	3.54
28	77	YAMA	XT500D	498	2	COLD TRANS	1.48	20.41	55.8	.34	3.95
IHC, PPM HEXANE			50			COLD STAB	1.03	24.96	48.6	.13	3.88
ICO(ACTUAL), PCT			.90			HOT TRANS	.81	20.39	53.9	.34	3.77
						1975 FTP	1.06	22.77	51.5	.23	3.87
36	77	KAWA	KZ1000	1015	1	COLD TRANS	7.96	25.35	111.7	.64	7.54
IHC, PPM HEXANE			2000			COLD STAB	17.44	32.36	99.0	.30	8.75
ICO(ACTUAL), PCT			1.47			HOT TRANS	8.40	26.16	92.6	.65	6.84
						1975 FTP	13.00	29.21	99.9	.47	7.98
36	77	KAWA	KZ1000	1015	2	COLD TRANS	3.11	9.35	121.9	.71	6.25
IHC, PPM HEXANE			1012			COLD STAB	2.82	29.82	98.6	.18	6.59
ICO(ACTUAL), PCT			2.00			HOT TRANS	2.11	22.25	92.3	.58	5.71
						1975 FTP	2.69	23.50	101.7	.40	6.28
38	77	KAWA	KZ750B	745	1	COLD TRANS	4.24	126.60	89.0	.18	12.85
IHC, PPM HEXANE			1075			COLD STAB	1.98	55.35	88.1	.11	7.73
ICO(ACTUAL), PCT			2.30			HOT TRANS	1.87	117.56	77.5	.15	11.44
						1975 FTP	2.42	87.20	85.4	.14	9.81
38	77	KAWA	KZ750B	745	2	COLD TRANS	2.23	42.65	83.6	.23	6.73
IHC, PPM HEXANE			750			COLD STAB	2.33	50.33	79.1	.11	7.06
ICO(ACTUAL), PCT			1.50			HOT TRANS	1.60	40.38	62.6	.17	5.59
						1975 FTP	2.11	46.01	75.5	.15	6.59
39	77	KAWA	KZ650C1	652	1	COLD TRANS	4.38	31.24	98.1	.45	6.87
IHC, PPM HEXANE			185			COLD STAB	5.24	60.47	76.9	.09	8.04
ICO(ACTUAL), PCT			1.45			HOT TRANS	3.43	45.10	73.2	.25	6.61
						1975 FTP	4.56	50.20	80.3	.21	7.41
39	77	KAWA	KZ650C1	652	2	COLD TRANS	3.77	27.48	101.6	.54	6.68
IHC, PPM HEXANE			100			COLD STAB	4.92	58.31	76.9	.10	7.85
ICO(ACTUAL), PCT			.55			HOT TRANS	2.89	42.28	77.7	.26	6.54
						1975 FTP	4.13	47.55	82.2	.23	7.25

APPENDIX D

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LOS ANGELES

EXHAUST EMISSIONS IN GRAMS PER KILOMETER
FUEL CONSUMPTION IN LITERS PER 100 KILOMETERS
SN=1, AS RECEIVED; SN=2, AFTER REST. MAINT.

VEHICLE NUMBER	YR	MAKE	MODEL	CCD	SN	TEST TYPE	HC	CO	CO2	NOXC	FUEL CONS
40	77	KAWA	KZ650B1	652	1	COLD TRANS	6.00	43.58	68.7	.18	6.66
IHC, PPM HEXANE			900			COLD STAB	9.24	67.20	63.1	.07	8.45
ICO(ACTUAL), PCT			5.80			HOT TRANS	4.60	42.20	47.6	.10	5.48
						1975 FTP	7.30	55.44	60.0	.10	7.26
40	77	KAWA	KZ650B1	652	2	COLD TRANS	4.93	25.75	76.3	.37	5.65
IHC, PPM HEXANE			775			COLD STAB	4.27	43.07	63.1	.08	6.16
ICO(ACTUAL), PCT			2.45			HOT TRANS	2.87	32.30	59.6	.21	5.09
						1975 FTP	4.02	36.53	64.9	.18	5.76
41	78	KAWA	KZ650C	652	1	COLD TRANS	14.57	40.35	87.5	.65	8.41
IHC, PPM HEXANE			415			COLD STAB	4.51	56.50	74.1	.09	7.56
ICO(ACTUAL), PCT			3.60			HOT TRANS	3.11	38.66	72.7	.34	6.11
						1975 FTP	6.20	48.31	76.5	.27	7.34
41	78	KAWA	KZ650C	652	2	COLD TRANS	6.36	19.77	93.6	.81	6.18
IHC, PPM HEXANE			425			COLD STAB	2.66	36.50	87.8	.15	6.55
ICO(ACTUAL), PCT			1.18			HOT TRANS	1.92	24.06	82.1	.53	5.37
						1975 FTP	3.22	29.62	87.4	.39	6.15
44	77	SUZU	GS750B	748	1	COLD TRANS	4.25	43.79	81.4	.25	6.98
IHC, PPM HEXANE			375			COLD STAB	7.07	58.41	67.3	.07	7.74
ICO(ACTUAL), PCT			2.10			HOT TRANS	4.12	49.66	66.6	.16	6.73
						1975 FTP	5.68	52.99	70.0	.13	7.31
44	77	SUZU	GS750B	748	2	COLD TRANS	4.54	52.38	86.9	.19	7.83
IHC, PPM HEXANE			1050			COLD STAB	10.36	71.44	74.5	.07	9.37
ICO(ACTUAL), PCT			4.15			HOT TRANS	5.58	59.85	71.1	.14	7.80
						1975 FTP	7.84	64.31	76.1	.11	8.62
45	77	SUZU	GS550	549	1	COLD TRANS	5.75	34.97	70.3	.26	6.12
IHC, PPM HEXANE			370			COLD STAB	11.12	43.86	56.5	.08	6.85
ICO(ACTUAL), PCT			1.90			HOT TRANS	6.55	40.57	55.2	.15	5.96
						1975 FTP	8.75	41.12	59.0	.14	6.46
45	77	SUZU	GS550	549	2	COLD TRANS	3.64	32.32	88.4	.27	6.43
IHC, PPM HEXANE			1075			COLD STAB	3.14	40.34	64.5	.08	5.88
ICO(ACTUAL), PCT			1.05			HOT TRANS	2.41	37.19	64.0	.15	5.55
						1975 FTP	3.04	37.81	69.3	.14	5.90

APPENDIX D

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LOS ANGELES

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FUEL CONSUMPTION IN LITERS PER 100 KILOMETERS
SN=1, AS RECEIVED; SN=2, AFTER REST. MAINT.

VEHICLE NUMBER	YR	MAKE	MODEL	CCD	SN	TEST TYPE	HC	CO	CO2	NOXC	FUEL CONS
46	77	SUZU	GS550	549	1	COLD TRANS	2.87	33.34	72.6	.24	5.72
IHC, PPM HEXANE			512			COLD STAB	4.66	47.53	56.8	.07	6.24
ICO(ACTUAL), PCT			1.90			HOT TRANS	3.38	46.01	55.2	.15	5.90
						1975 FTP	3.94	44.18	59.6	.13	6.04
46	77	SUZU	GS550	549	2	COLD TRANS	3.00	27.73	88.1	.39	6.02
IHC, PPM HEXANE			475			COLD STAB	2.86	36.50	67.4	.10	5.71
ICO(ACTUAL), PCT			.85			HOT TRANS	2.36	37.14	65.9	.20	5.62
						1975 FTP	2.75	34.85	71.3	.19	5.75
47	77	SUZU	GS400B	398	1	COLD TRANS	2.00	28.19	63.3	.24	4.86
IHC, PPM HEXANE			350			COLD STAB	1.46	22.85	63.6	.16	4.44
ICO(ACTUAL), PCT			.15			HOT TRANS	1.45	33.65	62.2	.20	5.10
						1975 FTP	1.57	26.92	63.2	.19	4.71
47	77	SUZU	GS400B	398	2	COLD TRANS	1.71	28.07	67.8	.31	5.00
IHC, PPM HEXANE			337			COLD STAB	1.30	21.50	63.7	.19	4.33
ICO(ACTUAL), PCT			.20			HOT TRANS	1.31	28.83	57.8	.23	4.57
						1975 FTP	1.39	24.87	62.9	.23	4.54
51	77	HOND	GL1000	999	1	COLD TRANS	2.94	6.76	134.9	1.44	6.60
IHC, PPM HEXANE			1100			COLD STAB	5.08	12.78	133.2	.60	7.22
ICO(ACTUAL), PCT			2.20			HOT TRANS	2.38	9.87	112.8	1.05	5.79
						1975 FTP	3.89	10.73	127.9	.90	6.70
51	77	HOND	GL1000	999	2	COLD TRANS	2.94	8.43	137.4	1.13	6.82
IHC, PPM HEXANE			500			COLD STAB	3.46	15.15	142.7	.50	7.57
ICO(ACTUAL), PCT			.58			HOT TRANS	2.28	11.14	120.5	.90	6.19
						1975 FTP	3.03	12.66	135.5	.74	7.04
52	77	HOND	GL1000	999	1	COLD TRANS	5.45	10.59	117.6	.79	6.46
IHC, PPM HEXANE			675			COLD STAB	1.93	18.98	121.3	.27	6.71
ICO(ACTUAL), PCT			1.55			HOT TRANS	1.44	11.91	103.7	.70	5.42
						1975 FTP	2.52	15.31	115.7	.50	6.30
52	77	HOND	GL1000	999	2	COLD TRANS	7.54	33.96	97.9	.45	7.47
IHC, PPM HEXANE			10			COLD STAB	2.85	12.46	122.8	.37	6.46
ICO(ACTUAL), PCT			.05			HOT TRANS	2.92	12.28	102.8	.88	5.60
						1975 FTP	3.84	16.87	112.1	.53	6.43

APPENDIX D

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LOS ANGELES

EXHAUST EMISSIONS IN GRAMS PER KILOMETER
FUEL CONSUMPTION IN LITERS PER 100 KILOMETERS
SN=1, AS RECEIVED; SN=2, AFTER REST. MAINT.

VEHICLE NUMBER	YR	MAKE	MODEL	CCD	SN	TEST TYPE	HC	CO	CO2	NOXC	FUEL CONS
53	77	HOND	GL1000	999	1	COLD TRANS	3.15	9.44	130.4	1.44	6.62
IHC, PPM HEXANE			375			COLD STAB	2.95	16.18	136.4	.56	7.30
ICO(ACTUAL), PCT			3.50			HOT TRANS	1.82	11.72	112.2	1.11	5.82
						1975 FTP	2.68	13.55	128.5	.89	6.75
53	77	HOND	GL1000	999	2	COLD TRANS	2.82	7.99	143.6	.83	7.04
IHC, PPM HEXANE			400			COLD STAB	2.40	15.20	142.1	.31	7.40
ICO(ACTUAL), PCT			3.50			HOT TRANS	1.93	13.23	118.2	.64	6.19
						1975 FTP	2.36	13.17	135.9	.51	7.00
54	77	HOND	GL1000	999	1	COLD TRANS	4.51	15.39	120.8	1.26	6.79
IHC, PPM HEXANE			1200			COLD STAB	2.19	10.21	137.2	.42	6.83
ICO(ACTUAL), PCT			.70			HOT TRANS	1.41	9.53	111.7	1.00	5.59
						1975 FTP	2.46	11.10	126.8	.75	6.48
54	77	HOND	GL1000	999	2	COLD TRANS	4.52	13.46	129.8	.96	7.05
IHC, PPM HEXANE			500			COLD STAB	2.39	12.54	142.1	.39	7.22
ICO(ACTUAL), PCT			.80			HOT TRANS	1.68	10.86	113.7	.76	5.80
						1975 FTP	2.64	12.27	131.8	.61	6.80
56	77	HOND	CB750K	736	1	COLD TRANS	3.01	15.64	101.4	.90	5.78
IHC, PPM HEXANE			198			COLD STAB	2.70	20.29	87.8	.41	5.47
ICO(ACTUAL), PCT			1.10			HOT TRANS	1.86	11.48	86.2	1.01	4.70
						1975 FTP	2.53	16.92	90.2	.68	5.32
56	77	HOND	CB750K	736	2	COLD TRANS	2.05	12.85	105.0	1.01	5.62
IHC, PPM HEXANE			189			COLD STAB	1.96	14.92	95.0	.57	5.32
ICO(ACTUAL), PCT			.73			HOT TRANS	1.51	9.75	86.5	1.18	4.55
						1975 FTP	1.86	13.07	94.7	.83	5.17
57	77	HOND	CB750K	736	1	COLD TRANS	1.60	10.54	110.6	1.22	5.64
IHC, PPM HEXANE			475			COLD STAB	1.97	26.09	95.6	.38	6.09
ICO(ACTUAL), PCT			1.83			HOT TRANS	1.30	14.08	90.5	1.11	4.98
						1975 FTP	1.71	19.58	97.3	.75	5.69
57	77	HOND	CB750K	736	2	COLD TRANS	1.32	8.61	114.3	1.26	5.63
IHC, PPM HEXANE			425			COLD STAB	1.24	18.64	99.3	.44	5.65
ICO(ACTUAL), PCT			1.65			HOT TRANS	1.00	12.05	93.8	1.12	4.94
						1975 FTP	1.19	14.76	100.9	.80	5.45

APPENDIX D

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LOS ANGELES

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VEHICLE NUMBER	YR	MAKE	MODEL	CCD	SN	TEST TYPE	HC	CO	CO2	NOXC	FUEL CONS
58	77	HOND	CB750K	736	1	COLD TRANS	1.38	4.64	118.8	1.33	5.56
	IHC, PPM HEXANE		270			COLD STAB	1.28	13.67	99.2	.61	5.32
	ICO(ACTUAL), PCT		.75			HOT TRANS	.92	8.10	89.6	1.36	4.49
						1975 FTP	1.20	10.28	100.6	.96	5.14
58	77	HOND	CB750K	736	2	COLD TRANS	1.49	6.50	114.7	1.29	5.53
	IHC, PPM HEXANE		601			COLD STAB	1.35	15.20	100.1	.58	5.47
	ICO(ACTUAL), PCT		1.10			HOT TRANS	1.06	9.17	92.2	1.43	4.69
						1975 FTP	1.30	11.75	101.0	.96	5.27
59	77	HOND	CB750K	736	1	COLD TRANS	1.95	8.41	101.5	1.04	5.16
	IHC, PPM HEXANE		450			COLD STAB	2.28	20.48	81.3	.35	5.15
	ICO(ACTUAL), PCT		1.88			HOT TRANS	1.73	18.39	81.2	.82	4.93
						1975 FTP	2.06	17.41	85.5	.62	5.09
59	77	HOND	CB750K	736	2	COLD TRANS	1.34	6.76	107.9	.87	5.24
	IHC, PPM HEXANE		318			COLD STAB	1.48	14.30	89.0	.30	4.95
	ICO(ACTUAL), PCT		2.55			HOT TRANS	1.29	14.71	83.0	.65	4.70
						1975 FTP	1.40	12.86	91.3	.51	4.94
60	77	HOND	CB750F	736	1	COLD TRANS	2.22	11.44	115.5	1.13	5.99
	IHC, PPM HEXANE		500			COLD STAB	2.47	26.36	101.3	.43	6.42
	ICO(ACTUAL), PCT		5.00			HOT TRANS	1.70	14.23	98.1	.96	5.37
						1975 FTP	2.21	19.94	103.4	.72	6.04
60	77	HOND	CB750F	736	2	COLD TRANS	2.13	4.81	119.2	1.19	5.69
	IHC, PPM HEXANE		1300			COLD STAB	2.10	12.32	108.0	.52	5.72
	ICO(ACTUAL), PCT		.20			HOT TRANS	1.63	9.08	100.2	1.05	5.10
						1975 FTP	1.98	9.87	108.2	.80	5.54
61	77	HOND	CB750K	736	1	COLD TRANS	2.78	9.09	116.8	.91	5.97
	IHC, PPM HEXANE		656			COLD STAB	2.84	15.93	100.2	.45	5.73
	ICO(ACTUAL), PCT		1.20			HOT TRANS	1.91	12.08	92.3	.82	5.00
						1975 FTP	2.57	13.46	101.5	.65	5.58
61	77	HOND	CB750K	736	2	COLD TRANS	1.41	6.49	117.7	1.16	5.65
	IHC, PPM HEXANE		250			COLD STAB	1.32	15.38	99.1	.45	5.44
	ICO(ACTUAL), PCT		.85			HOT TRANS	1.11	9.93	91.9	1.09	4.74
						1975 FTP	1.28	12.05	101.0	.77	5.29

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VEHICLE NUMBER	YR	MAKE	MODEL	CCD	SN	TEST TYPE	HC	CO	CO2	NOXC	FUEL CONS
62	77	HOND	CB750F	736	1	COLD TRANS	1.92	6.68	129.2	1.15	6.22
IHC, PPM HEXANE			700			COLD STAB	2.87	18.02	105.7	.45	6.10
ICO(ACTUAL), PCT			2.40			HOT TRANS	1.94	12.25	98.5	.99	5.28
						1975 FTP	2.42	14.09	108.6	.74	5.90
62	77	HOND	CB750F	736	2	COLD TRANS	1.82	5.64	115.6	1.02	5.55
IHC, PPM HEXANE			300			COLD STAB	2.19	17.54	101.5	.43	5.80
ICO(ACTUAL), PCT			2.00			HOT TRANS	1.51	12.43	92.5	.91	4.98
						1975 FTP	1.93	13.68	102.0	.68	5.53
63	77	HOND	CB750F	736	1	COLD TRANS	1.87	5.64	114.2	1.27	5.50
IHC, PPM HEXANE			250			COLD STAB	1.94	7.74	107.5	.54	5.37
ICO(ACTUAL), PCT			.20			HOT TRANS	1.43	7.03	95.6	1.19	4.74
						1975 FTP	1.79	7.11	105.6	.87	5.22
63	77	HOND	CB750F	736	2	COLD TRANS	2.10	5.71	113.8	1.15	5.52
IHC, PPM HEXANE			200			COLD STAB	2.22	14.52	98.3	.45	5.47
ICO(ACTUAL), PCT			1.00			HOT TRANS	1.58	9.88	92.6	1.02	4.83
						1975 FTP	2.02	11.42	99.9	.75	5.30
64	77	HOND	CB550F	544	1	COLD TRANS	3.08	51.78	69.0	.09	6.83
IHC, PPM HEXANE			2000			COLD STAB	4.10	50.08	60.2	.06	6.48
ICO(ACTUAL), PCT			1.20			HOT TRANS	3.08	49.33	51.3	.06	5.91
						1975 FTP	3.61	50.23	59.6	.07	6.40
64	77	HOND	CB550F	544	2	COLD TRANS	3.48	48.99	68.2	.13	6.66
IHC, PPM HEXANE			700			COLD STAB	4.19	48.24	58.6	.08	6.30
ICO(ACTUAL), PCT			2.80			HOT TRANS	3.26	54.71	53.6	.07	6.39
						1975 FTP	3.79	50.17	59.2	.09	6.40
65	77	HOND	CB550K	544	1	COLD TRANS	1.58	23.18	87.7	.39	5.51
IHC, PPM HEXANE			240			COLD STAB	2.16	20.23	79.5	.29	5.04
ICO(ACTUAL), PCT			2.30			HOT TRANS	1.84	27.04	68.5	.28	4.98
						1975 FTP	1.95	22.70	78.2	.31	5.12
65	77	HOND	CB550K	544	2	COLD TRANS	1.38	9.01	88.6	.59	4.57
IHC, PPM HEXANE			200			COLD STAB	1.83	15.60	75.7	.31	4.52
ICO(ACTUAL), PCT			1.90			HOT TRANS	1.33	13.85	71.3	.43	4.15
						1975 FTP	1.60	13.76	77.2	.40	4.43

APPENDIX D

LISTING OF FEDERAL TEST PROCEDURE RESULTS
ON INDIVIDUAL VEHICLES

LOS ANGELES

EXHAUST EMISSIONS IN GRAMS PER KILOMETER
FUEL CONSUMPTION IN LITERS PER 100 KILOMETERS
SN=1, AS RECEIVED; SN=2, AFTER REST. MAINT.

VEHICLE NUMBER	YR	MAKE	MODEL	CCD	SN	TEST TYPE	HC	CO	CO2	NOXC	FUEL CONS
66	77	HOND	CB550F	544	1	COLD TRANS	4.34	51.50	66.0	.13	6.85
IHC, PPM HEXANE			950			COLD STAB	4.29	57.43	60.2	.06	7.00
ICO(ACTUAL), PCT			8.00			HOT TRANS	3.45	55.98	58.7	.09	6.72
						1975 FTP	4.07	55.81	61.0	.08	6.89
66	77	HOND	CB550F	544	2	COLD TRANS	3.43	43.19	76.3	.17	6.61
IHC, PPM HEXANE			500			COLD STAB	4.27	53.12	60.8	.07	6.73
ICO(ACTUAL), PCT			3.75			HOT TRANS	3.02	46.52	61.2	.12	6.14
						1975 FTP	3.75	49.26	64.1	.10	6.54
67	77	HOND	CB550F	544	1	COLD TRANS	3.00	37.82	71.7	.13	6.00
IHC, PPM HEXANE			150			COLD STAB	2.81	41.04	68.5	.08	6.05
ICO(ACTUAL), PCT			3.00			HOT TRANS	2.42	44.21	59.1	.09	5.81
						1975 FTP	2.74	41.24	66.6	.09	5.97
67	77	HOND	CB550F	544	2	COLD TRANS	3.27	39.77	71.6	.11	6.16
IHC, PPM HEXANE			400			COLD STAB	3.01	45.62	68.4	.07	6.38
ICO(ACTUAL), PCT			4.00			HOT TRANS	2.48	44.16	60.1	.08	5.86
						1975 FTP	2.92	44.01	66.8	.08	6.19
68	77	HOND	CB400F	408	1	COLD TRANS	2.95	33.61	60.1	.16	5.21
IHC, PPM HEXANE			190			COLD STAB	2.89	31.15	53.4	.11	4.76
ICO(ACTUAL), PCT			.65			HOT TRANS	2.32	34.61	52.2	.12	4.86
						1975 FTP	2.75	32.61	54.5	.12	4.88
68	77	HOND	CB400F	408	2	COLD TRANS	3.93	38.51	61.6	.13	5.74
IHC, PPM HEXANE			175			COLD STAB	3.10	33.99	54.8	.10	5.03
ICO(ACTUAL), PCT			2.60			HOT TRANS	2.75	41.65	50.3	.09	5.31
						1975 FTP	3.18	37.01	55.0	.10	5.25
69	77	HOND	CB400F	408	1	COLD TRANS	2.24	35.42	70.5	.20	5.68
IHC, PPM HEXANE			300			COLD STAB	2.47	27.38	62.7	.14	4.84
ICO(ACTUAL), PCT			3.40			HOT TRANS	2.09	36.73	53.6	.11	5.03
						1975 FTP	2.32	31.59	61.8	.14	5.07
69	77	HOND	CB400F	408	2	COLD TRANS	2.89	20.89	73.6	.33	4.93
IHC, PPM HEXANE			80			COLD STAB	2.17	22.25	61.6	.17	4.41
ICO(ACTUAL), PCT			2.60			HOT TRANS	1.79	24.65	60.6	.22	4.48
						1975 FTP	2.21	22.63	63.8	.22	4.54

APPENDIX D

LISTING OF FEDERAL TEST PROCEDURE RESULTS ON INDIVIDUAL VEHICLES

LOS ANGELES

• EXHAUST EMISSIONS IN GRAMS PER KILOMETER
FUEL CONSUMPTION IN LITERS PER 100 KILOMETERS
SN=1, AS RECEIVED; SN=2, AFTER REST. MAINT.

VEHICLE NUMBER	YR	MAKE	MODEL	CCD	SN	TEST TYPE	HC	CO	CO2	NOXC	FUEL CONS
70	77	HOND	CB400F	408	1	COLD TRANS	3.99	26.16	68.9	.27	5.23
	IHC, PPM HEXANE		525			COLD STAB	2.65	27.35	58.2	.16	4.67
	ICO(ACTUAL), PCT		4.60			HOT TRANS	2.08	30.08	55.7	.17	4.67
						1975 FTP	2.77	27.85	59.7	.19	4.79
70	77	HOND	CB400F	408	2	COLD TRANS	2.81	19.19	68.7	.40	4.60
	IHC, PPM HEXANE		250			COLD STAB	2.55	21.15	56.4	.21	4.17
	ICO(ACTUAL), PCT		1.60			HOT TRANS	2.08	23.48	55.6	.26	4.23
						1975 FTP	2.47	21.39	58.7	.26	4.27
71	77	HOND	CB400F	408	1	COLD TRANS	2.30	18.30	73.9	.32	4.69
	IHC, PPM HEXANE		120			COLD STAB	1.82	15.49	68.8	.26	4.22
	ICO(ACTUAL), PCT		.65			HOT TRANS	1.44	21.66	59.7	.24	4.19
						1975 FTP	1.82	17.77	67.4	.27	4.31
72	77	HOND	XL350	348	1	COLD TRANS	1.54	24.44	55.4	.16	4.21
	IHC, PPM HEXANE		150			COLD STAB	1.17	20.17	53.0	.10	3.77
	ICO(ACTUAL), PCT		.65			HOT TRANS	1.03	23.91	53.9	.18	4.04
						1975 FTP	1.21	22.08	53.7	.13	3.94
73	78	HOND	CB400T1	395	1	COLD TRANS	1.59	13.41	85.8	.50	4.77
	IHC, PPM HEXANE		300			COLD STAB	1.85	19.83	71.9	.25	4.65
	ICO(ACTUAL), PCT		4.55			HOT TRANS	1.29	13.56	74.3	.42	4.25
						1975 FTP	1.64	16.78	75.4	.35	4.56
73	78	HOND	CB400T1	395	2	COLD TRANS	1.44	12.92	83.5	.46	4.62
	IHC, PPM HEXANE		450			COLD STAB	1.23	13.36	73.8	.23	4.21
	ICO(ACTUAL), PCT		1.00			HOT TRANS	.93	11.27	68.4	.37	3.80
						1975 FTP	1.19	12.69	74.3	.32	4.18
74	78	HOND	CB400T2	395	1	COLD TRANS	1.52	13.74	84.5	.56	4.73
	IHC, PPM HEXANE		70			COLD STAB	1.21	16.88	72.4	.25	4.38
	ICO(ACTUAL), PCT		.05			HOT TRANS	1.04	14.58	72.0	.47	4.19
						1975 FTP	1.23	15.60	74.8	.37	4.40
74	78	HOND	CB400T2	395	2	COLD TRANS	1.37	10.64	69.8	.48	3.88
	IHC, PPM HEXANE		413			COLD STAB	1.14	13.32	61.0	.22	3.65
	ICO(ACTUAL), PCT		2.70			HOT TRANS	.94	12.75	60.1	.37	3.54
						1975 FTP	1.13	12.61	62.6	.31	3.67

APPENDIX D

LISTING OF FEDERAL TEST PROCEDURE RESULTS
ON INDIVIDUAL VEHICLES

LOS ANGELES

EXHAUST EMISSIONS IN GRAMS PER KILOMETER
FUEL CONSUMPTION IN LITERS PER 100 KILOMETERS
SN=1, AS RECEIVED; SN=2, AFTER REST. MAINT.

VEHICLE NUMBER	YR	MAKE	MODEL	CCD	SN	TEST TYPE	HC	CO	CO2	NOXC	FUEL CONS
75	78	HOND	CB400A	395	1	COLD TRANS	1.04	14.87	74.3	.53	4.31
IHC, PPM HEXANE				450		COLD STAB	.84	15.61	59.4	.26	3.69
ICO(ACTUAL), PCT				3.45		HOT TRANS	.85	15.31	61.1	.48	3.75
						1975 FTP	.88	15.37	62.9	.38	3.83
75	78	HOND	CB400A	395	2	COLD TRANS	1.40	21.17	87.1	.60	5.32
IHC, PPM HEXANE				258		COLD STAB	.90	16.94	67.1	.33	4.12
ICO(ACTUAL), PCT				2.08		HOT TRANS	.91	15.43	72.4	.62	4.25
						1975 FTP	1.01	17.40	72.7	.46	4.40
76	78	HOND	CB400A	395	1	COLD TRANS	1.39	16.68	97.7	.85	5.47
IHC, PPM HEXANE				260		COLD STAB	.87	12.51	75.7	.55	4.18
ICO(ACTUAL), PCT				1.25		HOT TRANS	.75	11.96	79.0	.87	4.27
						1975 FTP	.94	13.22	81.2	.70	4.48
76	78	HOND	CB400A	395	2	COLD TRANS	1.30	18.15	94.9	.79	5.44
IHC, PPM HEXANE				463		COLD STAB	.78	15.11	77.7	.51	4.43
ICO(ACTUAL), PCT				2.30		HOT TRANS	.69	10.85	72.1	.77	3.90
						1975 FTP	.86	14.57	79.7	.64	4.49
78	77	HOND	XL175	173	1	COLD TRANS	2.07	30.08	43.8	.14	4.16
IHC, PPM HEXANE				90		COLD STAB	2.34	37.28	30.9	.03	4.13
ICO(ACTUAL), PCT				.75		HOT TRANS	1.35	31.10	42.6	.16	4.08
						1975 FTP	2.01	34.10	36.8	.09	4.13
78	77	HOND	XL175	173	2	COLD TRANS	1.70	31.88	45.8	.13	4.32
IHC, PPM HEXANE				125		COLD STAB	2.78	41.93	34.7	.03	4.67
ICO(ACTUAL), PCT				3.00		HOT TRANS	1.40	33.92	42.3	.13	4.27
						1975 FTP	2.18	37.67	39.1	.08	4.49
79	77	HOND	CT125	124	1	COLD TRANS	1.52	23.64	33.1	.08	3.20
IHC, PPM HEXANE				500		COLD STAB	1.88	29.02	30.7	.05	3.51
ICO(ACTUAL), PCT				10.00		HOT TRANS	1.30	24.72	32.9	.09	3.24
						1975 FTP	1.67	26.98	31.7	.07	3.39
79	77	HOND	CT125	124	2	COLD TRANS	1.15	14.40	39.0	.18	2.78
IHC, PPM HEXANE				500		COLD STAB	.87	17.33	37.2	.13	2.87
ICO(ACTUAL), PCT				1.20		HOT TRANS	.67	15.88	37.1	.18	2.74
						1975 FTP	.87	16.44	37.5	.15	2.82

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ON INDIVIDUAL VEHICLES

LOS ANGELES

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FUEL CONSUMPTION IN LITERS PER 100 KILOMETERS
SN=1, AS RECEIVED; SN=2, AFTER REST. MAINT.

VEHICLE NUMBER	YR	MAKE	MODEL	CCD	SN	TEST TYPE	HC	CO	CO2	NOXC	FUEL CONS
81	78	HOND	XL125	124	1	COLD TRANS	1.18	12.92	42.1	.26	2.82
	IHC, PPM HEXANE		225			COLD STAB	1.10	15.00	35.5	.16	2.67
	ICO(ACTUAL), PCT		3.40			HOT TRANS	.96	13.71	36.7	.21	2.61
						1975 FTP	1.08	14.30	37.0	.19	2.68
81	78	HOND	XL125	124	2	COLD TRANS	1.42	17.06	37.5	.19	2.93
	IHC, PPM HEXANE		525			COLD STAB	1.14	15.00	36.6	.19	2.72
	ICO(ACTUAL), PCT		3.70			HOT TRANS	.96	11.94	38.0	.25	2.55
						1975 FTP	1.15	14.63	37.1	.20	2.72
82	77	HOND	CT90	89	1	COLD TRANS	.84	14.73	28.4	.13	2.31
	IHC, PPM HEXANE		600			COLD STAB	.88	15.81	24.9	.11	2.24
	ICO(ACTUAL), PCT		10.00			HOT TRANS	.68	12.73	21.6	.12	1.87
						1975 FTP	.82	14.86	24.7	.12	2.16
82	77	HOND	CT90	89	2	COLD TRANS	.98	13.13	30.6	.13	2.32
	IHC, PPM HEXANE		50			COLD STAB	.84	12.94	28.2	.13	2.18
	ICO(ACTUAL), PCT		.30			HOT TRANS	.65	13.91	27.3	.14	2.18
						1975 FTP	.82	13.21	28.4	.13	2.21
83	77	HOND	CT90	89	1	COLD TRANS	.94	10.03	35.0	.20	2.29
	IHC, PPM HEXANE		350			COLD STAB	.88	12.66	30.5	.15	2.27
	ICO(ACTUAL), PCT		3.60			HOT TRANS	.63	10.69	27.2	.16	1.96
						1975 FTP	.83	11.71	30.5	.16	2.20
83	77	HOND	CT90	89	2	COLD TRANS	.83	10.09	33.8	.23	2.23
	IHC, PPM HEXANE		275			COLD STAB	.62	10.44	31.1	.19	2.11
	ICO(ACTUAL), PCT		3.00			HOT TRANS	.46	9.17	28.7	.19	1.90
						1975 FTP	.62	10.07	31.0	.20	2.08
84	77	HOND	XL75	74	1	COLD TRANS	1.01	12.13	31.0	.19	2.27
	IHC, PPM HEXANE		375			COLD STAB	.80	11.12	29.1	.15	2.09
	ICO(ACTUAL), PCT		4.50			HOT TRANS	.78	13.11	29.2	.17	2.23
						1975 FTP	.83	11.79	29.5	.16	2.16
85	77	HOND	CT70	72	1	COLD TRANS	.80	7.04	38.9	.19	2.24
	IHC, PPM HEXANE		260			COLD STAB	.54	7.69	32.9	.16	1.99
	ICO(ACTUAL), PCT		.25			HOT TRANS	.43	6.44	31.0	.18	1.81
						1975 FTP	.56	7.27	33.5	.17	1.99

APPENDIX D

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LOS ANGELES

EXHAUST EMISSIONS IN GRAMS PER KILOMETER
FUEL CONSUMPTION IN LITERS PER 100 KILOMETERS
SN=1, AS RECEIVED; SN=2, AFTER REST. MAINT.

VEHICLE NUMBER	YR	MAKE	MODEL	CCD	SN	TEST TYPE	HC	CO	CO2	NOXC	FUEL CONS
85	77	HOND	CT70	72	2	COLD TRANS	.66	8.33	36.2	.16	2.19
	IHC, PPM HEXANE		700			COLD STAB	.64	8.77	28.9	.13	1.91
	ICO(ACTUAL), PCT		4.50			HOT TRANS	.49	8.39	33.4	.18	2.05
						1975 FTP	.61	8.60	31.3	.15	1.99
86	77	YAMA	XS750	743	1	COLD TRANS	2.39	31.97	91.9	.60	6.39
	IHC, PPM HEXANE		283			COLD STAB	1.78	30.81	70.6	.14	5.32
	ICO(ACTUAL), PCT		2.37			HOT TRANS	1.63	28.97	68.0	.40	5.06
						1975 FTP	1.87	30.54	74.3	.31	5.47
87	77	YAMA	XS650	653	1	COLD TRANS	2.31	21.99	68.1	.37	4.69
	IHC, PPM HEXANE		40			COLD STAB	1.58	24.80	61.7	.09	4.51
	ICO(ACTUAL), PCT		1.83			HOT TRANS	1.33	26.15	60.8	.28	4.53
						1975 FTP	1.66	24.59	62.8	.20	4.55
87	77	YAMA	XS650	653	2	COLD TRANS	2.76	19.87	76.7	.57	4.98
	IHC, PPM HEXANE		75			COLD STAB	1.23	27.50	71.3	.12	5.05
	ICO(ACTUAL), PCT		1.05			HOT TRANS	.96	20.05	68.1	.50	4.38
						1975 FTP	1.47	23.87	71.5	.32	4.65
88	77	YAMA	XS650	653	1	COLD TRANS	2.01	17.22	59.2	.52	3.95
	IHC, PPM HEXANE		230			COLD STAB	1.40	21.63	59.3	.14	4.17
	ICO(ACTUAL), PCT		2.90			HOT TRANS	1.13	15.25	60.1	.68	3.74
						1975 FTP	1.45	19.00	59.5	.36	4.01
88	77	YAMA	XS650	653	2	COLD TRANS	2.50	32.11	58.8	.18	5.00
	IHC, PPM HEXANE		120			COLD STAB	2.15	31.39	56.8	.07	4.82
	ICO(ACTUAL), PCT		2.55			HOT TRANS	1.67	22.68	58.6	.49	4.25
						1975 FTP	2.09	29.15	57.7	.21	4.70
89	77	YAMA	XT500	498	1	COLD TRANS	1.72	29.38	57.4	.19	4.65
	IHC, PPM HEXANE		60			COLD STAB	1.84	38.21	48.1	.07	4.86
	ICO(ACTUAL), PCT		4.20			HOT TRANS	1.19	28.05	54.3	.21	4.36
						1975 FTP	1.64	33.59	51.7	.13	4.68
89	77	YAMA	XT500	498	2	COLD TRANS	1.75	27.63	67.4	.19	4.96
	IHC, PPM HEXANE		20			COLD STAB	1.74	36.01	57.6	.08	5.11
	ICO(ACTUAL), PCT		.55			HOT TRANS	1.24	29.34	59.1	.19	4.65
						1975 FTP	1.60	32.44	60.0	.13	4.95

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VEHICLE NUMBER	YR	MAKE	MODEL	CCD	SN	TEST TYPE	HC	CO	CO2	NOXC	FUEL CONS
90	77	YAMA	XT500	498	1	COLD TRANS	1.09	32.58	58.5	.17	4.83
IHC, PPM HEXANE 45						COLD STAB	1.12	39.10	50.9	.07	4.94
ICO(ACTUAL), PCT .70						HOT TRANS	.83	33.03	53.3	.14	4.60
						1975 FTP	1.03	36.08	53.1	.11	4.82
90	77	YAMA	XT500	498	2	COLD TRANS	1.42	32.47	58.1	.15	4.85
IHC, PPM HEXANE 30						COLD STAB	1.33	36.71	50.3	.07	4.79
ICO(ACTUAL), PCT 1.45						HOT TRANS	.89	28.67	55.0	.19	4.39
						1975 FTP	1.23	33.63	53.2	.12	4.69
91	77	YAMA	XT500	498	1	COLD TRANS	1.45	26.69	59.5	.19	4.52
IHC, PPM HEXANE 60						COLD STAB	1.48	32.73	52.1	.09	4.62
ICO(ACTUAL), PCT 6.20						HOT TRANS	.93	27.22	54.8	.17	4.29
						1975 FTP	1.32	29.96	54.4	.13	4.51
92	77	YAMA	RD400D	400	1	COLD TRANS	12.43	8.01	74.3	.10	5.39
IHC, PPM HEXANE 2000						COLD STAB	12.68	7.02	62.9	.06	4.87
ICO(ACTUAL), PCT 3.00						HOT TRANS	10.68	7.38	68.2	.16	4.85
						1975 FTP	12.08	7.32	66.7	.10	4.97
92	77	YAMA	RD400D	400	2	COLD TRANS	11.92	5.46	70.5	.11	4.99
IHC, PPM HEXANE 2000						COLD STAB	11.49	7.21	56.7	.04	4.46
ICO(ACTUAL), PCT .90						HOT TRANS	9.90	6.04	63.8	.13	4.47
						1975 FTP	11.14	6.53	61.5	.08	4.57
93	77	YAMA	DT400	400	1	COLD TRANS	11.95	31.61	50.0	.02	5.87
IHC, PPM HEXANE 2000						COLD STAB	17.78	30.43	34.6	.01	5.92
ICO(ACTUAL), PCT 5.80						HOT TRANS	12.11	31.84	46.6	.03	5.76
						1975 FTP	15.02	31.06	41.1	.02	5.87
94	77	YAMA	RD400D	400	1	COLD TRANS	9.24	12.76	65.8	.05	4.91
IHC, PPM HEXANE 2000						COLD STAB	11.54	16.01	53.5	.02	4.92
ICO(ACTUAL), PCT 1.70						HOT TRANS	9.47	15.36	60.4	.06	4.89
						1975 FTP	10.50	15.16	57.9	.04	4.91
94	77	YAMA	RD400D	400	2	COLD TRANS	11.27	14.99	67.3	.05	5.40
IHC, PPM HEXANE 2000						COLD STAB	10.83	13.84	56.8	.02	4.82
ICO(ACTUAL), PCT 1.80						HOT TRANS	8.46	11.47	62.6	.06	4.58
						1975 FTP	10.27	13.43	60.6	.04	4.87

APPENDIX D

LISTING OF FEDERAL TEST PROCEDURE RESULTS
ON INDIVIDUAL VEHICLES

LOS ANGELES

EXHAUST EMISSIONS IN GRAMS PER KILOMETER
FUEL CONSUMPTION IN LITERS PER 100 KILOMETERS
SN=1, AS RECEIVED; SN=2, AFTER REST. MAINT.

VEHICLE NUMBER	YR	MAKE	MODEL	CCD	SN	TEST TYPE	HC	CO	CO2	NOXC	FUEL CONS
95	77	YAMA	XS400	391	1	COLD TRANS	1.91	25.91	62.0	.26	4.64
IHC, PPM HEXANE			350			COLD STAB	1.94	29.19	53.0	.10	4.48
ICO(ACTUAL), PCT			4.10			HOT TRANS	1.75	31.32	51.7	.14	4.54
						1975 FTP	1.88	29.10	54.5	.14	4.53
95	77	YAMA	XS400	391	2	COLD TRANS	2.26	26.58	58.7	.25	4.59
IHC, PPM HEXANE			565			COLD STAB	2.01	29.26	52.9	.09	4.49
ICO(ACTUAL), PCT			8.20			HOT TRANS	1.59	30.59	51.7	.14	4.47
						1975 FTP	1.95	29.07	53.8	.14	4.50
96	77	YAMA	XS400D	391	1	COLD TRANS	2.54	27.03	70.4	.31	5.16
IHC, PPM HEXANE			363			COLD STAB	2.42	30.08	60.1	.13	4.91
ICO(ACTUAL), PCT			3.80			HOT TRANS	1.86	31.52	62.2	.21	5.02
						1975 FTP	2.29	29.84	62.8	.19	4.99
96	77	YAMA	XS400D	391	2	COLD TRANS	3.98	32.68	61.4	.23	5.35
IHC, PPM HEXANE			288			COLD STAB	2.17	26.84	55.0	.12	4.44
ICO(ACTUAL), PCT			2.80			HOT TRANS	1.61	27.72	54.5	.15	4.40
						1975 FTP	2.39	28.29	56.2	.15	4.62
97	77	YAMA	XS400	391	1	COLD TRANS	1.41	25.94	60.1	.22	4.49
IHC, PPM HEXANE			310			COLD STAB	1.27	27.69	53.9	.09	4.33
ICO(ACTUAL), PCT			4.03			HOT TRANS	1.37	30.44	51.4	.13	4.42
						1975 FTP	1.33	28.08	54.5	.13	4.39
97	77	YAMA	XS400	391	2	COLD TRANS	1.73	28.80	58.9	.22	4.68
IHC, PPM HEXANE			45			COLD STAB	1.69	30.23	51.2	.08	4.44
ICO(ACTUAL), PCT			.90			HOT TRANS	1.29	28.34	42.8	.11	3.90
						1975 FTP	1.59	29.42	50.5	.12	4.34
98	77	YAMA	XS360	347	1	COLD TRANS	1.09	22.94	62.8	.18	4.36
IHC, PPM HEXANE			38			COLD STAB	.74	21.13	55.2	.08	3.87
ICO(ACTUAL), PCT			.22			HOT TRANS	.79	23.31	48.8	.10	3.75
						1975 FTP	.83	22.10	55.0	.11	3.94
98	77	YAMA	XS360	347	2	COLD TRANS	1.37	23.37	59.5	.21	4.29
IHC, PPM HEXANE			65			COLD STAB	1.22	21.10	54.2	.10	3.89
ICO(ACTUAL), PCT			.97			HOT TRANS	.99	23.08	50.7	.15	3.84
						1975 FTP	1.19	22.11	54.3	.14	3.96

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FUEL CONSUMPTION IN LITERS PER 100 KILOMETERS
SN=1, AS RECEIVED; SN=2, AFTER REST. MAINT.

VEHICLE NUMBER	YR	MAKE	MODEL	CCD	SN	TEST TYPE	HC	CO	CO2	NOXC	FUEL CONS
99	77	YAMA	DT250D	246	1	COLD TRANS	18.99	43.44	36.0	.02	7.02
IHC, PPM HEXANE			1950			COLD STAB	22.09	33.12	28.6	.01	6.43
ICO(ACTUAL), PCT			5.20			HOT TRANS	18.88	43.02	33.7	.02	6.87
						1975 FTP	20.57	37.98	31.5	.01	6.67
99	77	YAMA	DT250D	246	2	COLD TRANS	19.49	42.82	36.0	.02	7.04
IHC, PPM HEXANE			1850			COLD STAB	22.35	33.14	28.8	.02	6.47
ICO(ACTUAL), PCT			5.00			HOT TRANS	19.81	43.40	34.6	.03	7.06
						1975 FTP	21.06	37.95	31.9	.02	6.75
100	77	YAMA	DT100	97	1	COLD TRANS	3.71	5.48	35.7	.06	2.39
IHC, PPM HEXANE			2000			COLD STAB	3.13	5.43	30.9	.04	2.11
ICO(ACTUAL), PCT			2.50			HOT TRANS	3.47	5.74	33.6	.07	2.29
						1975 FTP	3.32	5.51	32.4	.05	2.20
100	77	YAMA	DT100	97	2	COLD TRANS	5.78	11.41	33.8	.04	2.99
IHC, PPM HEXANE			2000			COLD STAB	3.62	8.09	31.5	.04	2.38
ICO(ACTUAL), PCT			1.80			HOT TRANS	4.33	10.79	29.8	.04	2.58
						1975 FTP	4.19	9.36	31.5	.04	2.54
101	77	YAMA	LB803AD	73	1	COLD TRANS	3.61	5.15	38.5	.09	2.48
IHC, PPM HEXANE			900			COLD STAB	2.69	1.34	35.9	.07	1.98
ICO(ACTUAL), PCT			.05			HOT TRANS	2.99	4.78	36.5	.09	2.28
						1975 FTP	2.93	2.88	36.5	.08	2.15
101	77	YAMA	LB803AD	73	2	COLD TRANS	3.83	4.94	38.1	.12	2.47
IHC, PPM HEXANE			850			COLD STAB	2.77	1.64	36.3	.08	2.03
ICO(ACTUAL), PCT			.04			HOT TRANS	3.10	4.99	34.8	.11	2.24
						1975 FTP	3.04	3.06	36.3	.09	2.16
102	77	YAMA	LB803AD	73	1	COLD TRANS	3.87	9.26	37.2	.11	2.73
IHC, PPM HEXANE			1050			COLD STAB	2.69	5.14	33.6	.06	2.14
ICO(ACTUAL), PCT			.07			HOT TRANS	3.21	8.93	33.0	.11	2.44
						1975 FTP	3.03	6.82	34.1	.08	2.32
102	77	YAMA	LB803AD	73	2	COLD TRANS	3.73	8.27	37.3	.09	2.65
IHC, PPM HEXANE			975			COLD STAB	2.73	5.19	32.5	.06	2.10
ICO(ACTUAL), PCT			.05			HOT TRANS	3.42	9.75	34.2	.10	2.57
						1975 FTP	3.08	6.66	33.6	.08	2.32

APPENDIX D

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FUEL CONSUMPTION IN LITERS PER 100 KILOMETERS
SN=1, AS RECEIVED; SN=2, AFTER REST. MAINT.

VEHICLE NUMBER	YR	MAKE	MODEL	CCD	SN	TEST TYPE	HC	CO	CO2	NOXC	FUEL CONS
103	77	KAWA	KZ1000	1015	1	COLD TRANS	6.79	16.64	119.8	.79	7.14
IHC, PPM HEXANE			360			COLD STAB	3.24	27.80	101.0	.20	6.61
ICO(ACTUAL), PCT			1.93			HOT TRANS	2.00	16.64	92.9	.68	5.35
						1975 FTP	3.64	22.41	102.7	.45	6.37
103	77	KAWA	KZ1000	1015	2	COLD TRANS	8.22	17.67	122.0	.65	7.50
IHC, PPM HEXANE			498			COLD STAB	2.08	21.08	118.5	.22	6.75
ICO(ACTUAL), PCT			2.50			HOT TRANS	1.40	12.73	103.6	.69	5.46
						1975 FTP	3.16	18.08	115.1	.44	6.55
104	77	KAWA	KZ1000	1015	1	COLD TRANS	5.61	28.09	113.8	.49	7.50
IHC, PPM HEXANE			200			COLD STAB	3.26	39.72	99.2	.12	7.33
ICO(ACTUAL), PCT			3.80			HOT TRANS	2.56	27.61	98.7	.46	6.41
						1975 FTP	3.56	33.98	102.1	.29	7.11
104	77	KAWA	KZ1000	1015	2	COLD TRANS	6.22	20.87	118.4	.65	7.29
IHC, PPM HEXANE			275			COLD STAB	2.93	33.29	107.4	.16	7.21
ICO(ACTUAL), PCT			.41			HOT TRANS	2.09	22.63	98.0	.53	5.98
						1975 FTP	3.38	27.76	107.1	.36	6.88
105	77	KAWA	KZ1000	1015	1	COLD TRANS	8.01	53.45	87.5	.13	8.40
IHC, PPM HEXANE			950			COLD STAB	6.56	57.08	93.6	.07	8.71
ICO(ACTUAL), PCT			2.40			HOT TRANS	4.71	56.88	75.4	.10	7.67
						1975 FTP	6.35	56.27	87.3	.09	8.36
105	77	KAWA	KZ1000	1015	2	COLD TRANS	4.45	39.02	94.4	.38	7.24
IHC, PPM HEXANE			788			COLD STAB	6.36	48.50	97.2	.16	8.26
ICO(ACTUAL), PCT			.55			HOT TRANS	3.79	43.56	77.8	.26	6.75
						1975 FTP	5.26	45.18	91.3	.23	7.63
106	77	KAWA	KZ750	745	1	COLD TRANS	2.20	20.41	94.0	.70	5.67
IHC, PPM HEXANE			165			COLD STAB	1.59	38.16	99.1	.20	7.00
ICO(ACTUAL), PCT			.68			HOT TRANS	1.14	20.84	90.3	.74	5.40
						1975 FTP	1.59	29.72	95.6	.45	6.29
106	77	KAWA	KZ750	745	2	COLD TRANS	2.15	21.87	98.9	.60	5.97
IHC, PPM HEXANE			35			COLD STAB	1.43	36.44	99.2	.18	6.87
ICO(ACTUAL), PCT			.70			HOT TRANS	.96	18.53	90.0	.64	5.21
						1975 FTP	1.45	28.50	96.6	.39	6.23

APPENDIX D

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FUEL CONSUMPTION IN LITERS PER 100 KILOMETERS
SN=1, AS RECEIVED; SN=2, AFTER REST. MAINT.

VEHICLE NUMBER	YR	MAKE	MODEL	CCD	SN	TEST TYPE	HC	CO	CO2	NOXC	FUEL CONS
107	77	KAWA	KZ650	652	1	COLD TRANS	.95	41.91	100.1	.32	7.21
IHC, PPM HEXANE			215			COLD STAB	6.67	71.49	91.0	.08	9.57
ICO(ACTUAL), PCT			2.70			HOT TRANS	3.94	49.30	78.2	.17	7.17
						1975 FTP	4.74	59.27	89.4	.15	8.42
108	77	KAWA	KZ650	652	1	COLD TRANS	3.45	37.54	107.1	.37	7.55
IHC, PPM HEXANE			250			COLD STAB	6.59	67.21	95.0	.12	9.45
ICO(ACTUAL), PCT			1.80			HOT TRANS	3.80	44.13	85.4	.22	7.11
						1975 FTP	5.17	54.69	94.9	.20	8.41
108	77	KAWA	KZ650	652	2	COLD TRANS	6.91	40.56	95.9	.33	7.74
IHC, PPM HEXANE			125			COLD STAB	6.80	70.87	80.0	.09	9.08
ICO(ACTUAL), PCT			2.35			HOT TRANS	3.43	44.29	75.4	.24	6.65
						1975 FTP	5.90	57.28	82.0	.18	8.14
109	77	KAWA	KZ400	398	1	COLD TRANS	1.70	36.58	56.9	.10	5.11
IHC, PPM HEXANE			85			COLD STAB	1.21	28.84	57.4	.09	4.54
ICO(ACTUAL), PCT			1.13			HOT TRANS	1.17	31.22	50.7	.11	4.41
						1975 FTP	1.30	31.10	55.5	.10	4.63
109	77	KAWA	KZ400	398	2	COLD TRANS	2.35	38.65	58.8	.12	5.42
IHC, PPM HEXANE			165			COLD STAB	1.48	30.78	55.1	.09	4.61
ICO(ACTUAL), PCT			2.15			HOT TRANS	1.25	31.53	50.4	.12	4.43
						1975 FTP	1.60	32.62	54.6	.10	4.73
110	77	KAWA	KZ400	398	1	COLD TRANS	1.19	21.97	85.7	.47	5.29
IHC, PPM HEXANE			55			COLD STAB	1.42	34.77	79.2	.17	5.90
ICO(ACTUAL), PCT			2.20			HOT TRANS	.97	24.19	73.7	.51	4.90
						1975 FTP	1.25	29.22	79.0	.33	5.50
110	77	KAWA	KZ400	398	2	COLD TRANS	3.16	17.50	89.4	.69	5.41
IHC, PPM HEXANE			138			COLD STAB	1.32	23.62	86.3	.23	5.44
ICO(ACTUAL), PCT			1.65			HOT TRANS	.87	14.16	78.7	.84	4.42
						1975 FTP	1.58	19.75	84.9	.49	5.16
111	77	KAWA	KZ400	398	1	COLD TRANS	1.41	36.67	64.5	.16	5.40
IHC, PPM HEXANE			70			COLD STAB	1.25	29.63	64.0	.09	4.89
ICO(ACTUAL), PCT			1.15			HOT TRANS	1.19	30.66	59.7	.20	4.76
						1975 FTP	1.29	31.37	62.9	.13	4.96

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FUEL CONSUMPTION IN LITERS PER 100 KILOMETERS
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VEHICLE NUMBER	YR	MAKE	MODEL	CCD	SN	TEST TYPE	HC	CO	CO2	NOXC	FUEL CONS
111	77	KAWA	KZ400	398	2	COLD TRANS	1.77	35.40	72.2	.17	5.69
IHC, PPM HEXANE			223			COLD STAB	1.21	29.94	59.4	.10	4.70
ICO(ACTUAL), PCT			3.70			HOT TRANS	1.01	32.97	53.4	.13	4.62
						1975 FTP	1.27	31.90	60.4	.12	4.89
112	77	KAWA	KH400	400	1	COLD TRANS	14.60	29.55	67.7	.03	6.84
IHC, PPM HEXANE			2000			COLD STAB	17.08	24.92	65.0	.03	6.75
ICO(ACTUAL), PCT			2.65			HOT TRANS	15.34	33.61	59.5	.03	6.87
						1975 FTP	16.09	28.27	64.0	.03	6.80
112	77	KAWA	KH400	400	2	COLD TRANS	12.83	24.83	62.4	.03	6.06
IHC, PPM HEXANE			2000			COLD STAB	15.72	21.98	58.4	.02	6.09
ICO(ACTUAL), PCT			2.50			HOT TRANS	13.45	29.14	55.3	.02	6.13
						1975 FTP	14.50	24.53	58.4	.02	6.10
113	77	KAWA	KE175	174	1	COLD TRANS	10.41	34.80	39.4	.03	5.42
IHC, PPM HEXANE			2000			COLD STAB	10.20	26.89	34.1	.02	4.64
ICO(ACTUAL), PCT			1.40			HOT TRANS	11.05	38.32	34.5	.03	5.53
						1975 FTP	10.48	31.66	35.3	.02	5.05
114	77	KAWA	KE100	99	1	COLD TRANS	6.90	17.18	48.0	.03	4.13
IHC, PPM HEXANE			2000			COLD STAB	4.84	17.43	45.4	.02	3.76
ICO(ACTUAL), PCT			1.40			HOT TRANS	5.69	19.90	43.1	.04	3.94
						1975 FTP	5.43	17.99	45.3	.03	3.87
114	77	KAWA	KE100	99	2	COLD TRANS	4.17	9.96	45.8	.03	3.19
IHC, PPM HEXANE			2000			COLD STAB	3.50	10.71	47.1	.03	3.20
ICO(ACTUAL), PCT			3.20			HOT TRANS	3.50	12.51	41.4	.03	3.08
						1975 FTP	3.62	11.01	45.5	.03	3.17
115	77	SUZU	GS750	748	1	COLD TRANS	4.59	45.85	91.6	.17	7.60
IHC, PPM HEXANE			350			COLD STAB	7.37	64.13	83.2	.05	8.84
ICO(ACTUAL), PCT			3.95			HOT TRANS	4.24	49.15	76.6	.11	7.13
						1975 FTP	5.94	56.24	83.1	.09	8.12
115	77	SUZU	GS750	748	2	COLD TRANS	3.72	38.72	80.0	.24	6.51
IHC, PPM HEXANE			650			COLD STAB	7.13	48.20	63.3	.07	6.89
ICO(ACTUAL), PCT			1.58			HOT TRANS	4.15	40.53	62.7	.17	5.95
						1975 FTP	5.61	44.14	66.6	.13	6.56

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VEHICLE NUMBER	YR	MAKE	MODEL	CCD	SN	TEST TYPE	HC	CO	CO2	NOXC	FUEL CONS
116	77	SUZU	GS550	549	1	COLD TRANS	2.26	28.40	88.0	.28	5.96
IHC, PPM HEXANE			215			COLD STAB	3.49	38.37	70.9	.06	6.07
ICO(ACTUAL), PCT			.28			HOT TRANS	2.41	33.06	66.9	.16	5.40
						1975 FTP	2.94	34.84	73.3	.13	5.86
116	77	SUZU	GS550	549	2	COLD TRANS	2.73	26.86	79.7	.32	5.57
IHC, PPM HEXANE			375			COLD STAB	4.94	37.91	63.4	.07	5.91
ICO(ACTUAL), PCT			2.50			HOT TRANS	2.93	30.35	64.0	.21	5.16
						1975 FTP	3.93	33.54	66.9	.16	5.64
117	77	SUZU	GS400	398	1	COLD TRANS	7.57	66.44	53.1	.06	7.74
IHC, PPM HEXANE			180			COLD STAB	15.59	70.37	47.1	.05	8.83
ICO(ACTUAL), PCT			1.70			HOT TRANS	9.77	66.47	44.1	.04	7.66
						1975 FTP	12.33	68.48	47.5	.05	8.28
117	77	SUZU	GS400	398	2	COLD TRANS	2.59	37.72	71.8	.20	5.94
IHC, PPM HEXANE			253			COLD STAB	2.58	31.91	69.6	.13	5.46
ICO(ACTUAL), PCT			.55			HOT TRANS	1.97	34.75	59.2	.15	5.12
						1975 FTP	2.41	33.90	67.2	.15	5.46
119	77	SUZU	GT185	184	1	COLD TRANS	7.42	24.64	45.9	.04	4.61
IHC, PPM HEXANE			2000			COLD STAB	5.24	13.49	47.4	.02	3.63
ICO(ACTUAL), PCT			1.50			HOT TRANS	8.64	29.02	44.1	.05	4.99
						1975 FTP	6.63	20.07	46.2	.03	4.21
119	77	SUZU	GT185	184	2	COLD TRANS	9.27	29.53	47.7	.03	5.27
IHC, PPM HEXANE			2000			COLD STAB	6.51	19.67	55.5	.03	4.57
ICO(ACTUAL), PCT			1.50			HOT TRANS	9.69	30.91	51.8	.05	5.59
						1975 FTP	7.96	24.81	52.9	.04	4.99
120	78	SUZU	GS550E	549	1	COLD TRANS	5.82	40.83	71.9	.19	6.59
IHC, PPM HEXANE			1825			COLD STAB	9.24	50.50	59.7	.06	7.72
ICO(ACTUAL), PCT			6.50			HOT TRANS	5.86	48.09	59.6	.13	6.56
						1975 FTP	7.60	51.98	62.2	.11	7.17
120	78	SUZU	GS550E	549	2	COLD TRANS	6.84	36.97	77.2	.26	6.70
IHC, PPM HEXANE			775			COLD STAB	4.16	37.31	67.5	.11	5.94
ICO(ACTUAL), PCT			3.00			HOT TRANS	3.12	34.93	67.0	.22	5.62
						1975 FTP	4.43	36.59	69.4	.17	6.01

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VEHICLE NUMBER	YR	MAKE	MODEL	CCD	SN	TEST TYPE	HC	CO	CO2	NOXC	FUEL CONS
121	78	SUZU	GS550E	549	1	COLD TRANS	4.65	37.25	80.4	.47	6.55
IHC, PPM HEXANE			600			COLD STAB	5.38	46.15	61.5	.09	6.44
ICO(ACTUAL), PCT			4.25			HOT TRANS	3.47	39.83	63.2	.32	5.83
						1975 FTP	4.70	42.57	65.9	.23	6.30
121	78	SUZU	GS550E	549	2	COLD TRANS	2.25	75.93	88.7	.32	9.18
IHC, PPM HEXANE			800			COLD STAB	3.56	42.87	66.9	.10	6.21
ICO(ACTUAL), PCT			7.80			HOT TRANS	2.65	68.90	67.7	.34	7.86
						1975 FTP	3.04	56.74	71.6	.21	7.27
125	77	BMW	R100S	980	1	COLD TRANS	3.11	44.29	92.3	.42	7.33
IHC, PPM HEXANE			325			COLD STAB	2.46	29.45	91.6	.19	6.21
ICO(ACTUAL), PCT			5.25			HOT TRANS	2.22	43.30	70.7	.18	6.22
						1975 FTP	2.53	36.31	86.0	.23	6.44
125	77	BMW	R100S	980	2	COLD TRANS	2.94	46.50	88.5	.24	7.29
IHC, PPM HEXANE			220			COLD STAB	2.98	34.58	93.8	.15	6.72
ICO(ACTUAL), PCT			1.40			HOT TRANS	2.48	42.38	67.8	.14	6.07
						1975 FTP	2.83	39.19	85.6	.17	6.66
126	78	HOND	GL1000	999	1	COLD TRANS	2.94	5.26	129.3	1.48	6.26
IHC, PPM HEXANE			680			COLD STAB	3.58	7.59	127.2	.50	6.42
ICO(ACTUAL), PCT			.32			HOT TRANS	2.35	7.70	114.0	1.22	5.70
						1975 FTP	3.11	7.14	124.0	.90	6.19
127	78	HOND	GL1000	999	1	COLD TRANS	2.74	7.77	141.2	.85	6.91
IHC, PPM HEXANE			220			COLD STAB	2.07	14.85	133.3	.27	6.96
ICO(ACTUAL), PCT			1.55			HOT TRANS	1.66	13.17	117.6	.61	6.12
						1975 FTP	2.10	12.92	130.6	.48	6.72
127	78	HOND	GL1000	999	2	COLD TRANS	6.07	10.61	141.6	1.04	7.57
IHC, PPM HEXANE			650			COLD STAB	2.93	14.63	136.1	.38	7.18
ICO(ACTUAL), PCT			2.40			HOT TRANS	4.06	15.74	116.2	.81	6.56
						1975 FTP	3.89	14.10	131.8	.63	7.09
129	78	HOND	CB750K	736	1	COLD TRANS	1.86	8.44	113.7	1.14	5.67
IHC, PPM HEXANE			300			COLD STAB	1.63	14.32	93.2	.45	5.16
ICO(ACTUAL), PCT			2.22			HOT TRANS	1.46	11.79	89.9	1.07	4.82
						1975 FTP	1.63	12.41	96.5	.76	5.17

APPENDIX D

LISTING OF FEDERAL TEST PROCEDURE RESULTS
ON INDIVIDUAL VEHICLES

LOS ANGELES

EXHAUST EMISSIONS IN GRAMS PER KILOMETER
FUEL CONSUMPTION IN LITERS PER 100 KILOMETERS
SN=1, AS RECEIVED; SN=2, AFTER REST. MAINT.

VEHICLE NUMBER	YR	MAKE	MODEL	CCD	SN	TEST TYPE	HC	CO	CO2	NOXC	FUEL CONS
129	78	HOND	CB750K	736	2	COLD TRANS	2.37	10.41	114.8	1.19	5.91
IHC, PPM HEXANE		1075				COLD STAB	2.23	14.19	95.0	.54	5.30
ICO(ACTUAL), PCT		3.70				HOT TRANS	1.66	12.52	91.3	1.20	4.96
						1975 FTP	2.10	12.95	98.1	.86	5.34
130	78	HOND	CB750K	736	1	COLD TRANS	1.77	7.62	108.3	1.04	5.37
IHC, PPM HEXANE		445				COLD STAB	2.16	13.20	98.2	.44	5.37
ICO(ACTUAL), PCT		1.50				HOT TRANS	1.57	11.66	80.7	.89	4.44
						1975 FTP	1.92	11.63	95.5	.69	5.11
130	78	HOND	CB750K	736	2	COLD TRANS	3.01	13.93	107.0	1.20	5.90
IHC, PPM HEXANE		150				COLD STAB	1.69	13.56	93.9	.40	5.10
ICO(ACTUAL), PCT		1.30				HOT TRANS	1.38	10.57	78.8	.93	4.26
						1975 FTP	1.88	12.82	92.0	.71	5.04
134	78	HOND	CX500	500	1	COLD TRANS	1.95	7.39	106.0	.68	5.28
IHC, PPM HEXANE		100				COLD STAB	2.00	14.94	103.9	.28	5.70
ICO(ACTUAL), PCT		1.15				HOT TRANS	1.44	8.38	95.0	.61	4.81
						1975 FTP	1.84	11.58	101.9	.45	5.37
135	78	HOND	CX500	500	1	COLD TRANS	1.72	7.90	109.7	.67	5.44
IHC, PPM HEXANE		115				COLD STAB	2.03	15.63	109.7	.28	6.00
ICO(ACTUAL), PCT		1.50				HOT TRANS	1.57	8.57	99.8	.61	5.04
						1975 FTP	1.84	12.09	107.0	.45	5.62
136	78	HOND	CX500	500	1	COLD TRANS	1.79	6.06	110.0	.80	5.34
IHC, PPM HEXANE		264				COLD STAB	1.93	8.71	111.7	.37	5.61
ICO(ACTUAL), PCT		1.40				HOT TRANS	1.48	6.43	98.4	.68	4.83
						1975 FTP	1.78	7.54	107.7	.54	5.34
136	78	HOND	CX500	500	2	COLD TRANS	1.84	5.66	105.7	.80	5.14
IHC, PPM HEXANE		1075				COLD STAB	2.06	8.09	107.2	.36	5.39
ICO(ACTUAL), PCT		1.10				HOT TRANS	1.53	5.94	96.8	.73	4.73
						1975 FTP	1.87	7.00	104.0	.55	5.16
137	78	HOND	CX500	500	1	COLD TRANS	2.11	11.69	99.4	.70	5.31
IHC, PPM HEXANE		90				COLD STAB	2.47	18.94	99.4	.28	5.84
ICO(ACTUAL), PCT		1.17				HOT TRANS	1.87	13.75	90.3	.56	5.03
						1975 FTP	2.23	16.01	96.9	.44	5.51

APPENDIX D

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LOS ANGELES

EXHAUST EMISSIONS IN GRAMS PER KILOMETER
FUEL CONSUMPTION IN LITERS PER 100 KILOMETERS
SN=1, AS RECEIVED; SN=2, AFTER REST. MAINT.

VEHICLE NUMBER	YR	MAKE	MODEL	CCD	SN	TEST TYPE	HC	CO	CO2	NOXC	FUEL CONS
137	78	HOND	CX500	500	2	COLD TRANS	2.17	13.08	100.1	.67	5.43
IHC, PPM HEXANE			160			COLD STAB	2.48	19.10	98.3	.27	5.81
ICO(ACTUAL), PCT			.50			HOT TRANS	1.88	15.04	89.1	.54	5.06
						1975 FTP	2.25	16.72	96.1	.43	5.53
138	78	HOND	CX500	500	1	COLD TRANS	2.27	14.56	102.5	.60	5.65
IHC, PPM HEXANE			265			COLD STAB	2.90	20.42	103.5	.26	6.18
ICO(ACTUAL), PCT			2.85			HOT TRANS	1.94	13.08	95.1	.52	5.20
						1975 FTP	2.51	17.20	101.0	.40	5.80
139	78	HOND	XL250S	249	1	COLD TRANS	1.01	15.71	59.3	.40	3.72
IHC, PPM HEXANE			200			COLD STAB	.82	9.08	49.3	.32	2.82
ICO(ACTUAL), PCT			.35			HOT TRANS	.76	15.83	44.5	.32	3.06
						1975 FTP	.84	12.31	50.1	.34	3.07
140	78	HOND	XL250S	249	1	COLD TRANS	1.01	16.42	56.8	.36	3.66
IHC, PPM HEXANE			550			COLD STAB	1.03	16.51	45.5	.24	3.19
ICO(ACTUAL), PCT			.15			HOT TRANS	.92	19.35	51.2	.35	3.60
						1975 FTP	1.00	17.27	49.4	.30	3.40
140	78	HOND	XL250S	249	2	COLD TRANS	1.06	16.77	54.9	.37	3.61
IHC, PPM HEXANE			170			COLD STAB	1.15	15.10	48.1	.29	3.22
ICO(ACTUAL), PCT			1.50			HOT TRANS	.99	19.68	48.4	.32	3.52
						1975 FTP	1.09	16.70	49.6	.31	3.38
141	78	HOND	XL250S	249	1	COLD TRANS	1.18	13.86	67.4	.35	3.96
IHC, PPM HEXANE			120			COLD STAB	1.11	13.84	49.2	.21	3.18
ICO(ACTUAL), PCT			1.75			HOT TRANS	.95	16.32	54.1	.29	3.53
						1975 FTP	1.08	14.52	54.3	.26	3.44
141	78	HOND	XL250S	249	2	COLD TRANS	1.22	17.59	64.3	.25	4.09
IHC, PPM HEXANE			180			COLD STAB	1.09	16.01	46.6	.15	3.21
ICO(ACTUAL), PCT			1.70			HOT TRANS	1.06	18.56	53.2	.24	3.66
						1975 FTP	1.11	17.04	52.1	.20	3.51
142	78	HOND	CM185T	180	1	COLD TRANS	2.43	13.67	48.4	.34	3.31
IHC, PPM HEXANE			0			COLD STAB	1.02	5.81	43.8	.35	2.40
ICO(ACTUAL), PCT			.45			HOT TRANS	.90	14.09	45.5	.33	3.01
						1975 FTP	1.28	9.70	45.2	.34	2.75

APPENDIX D

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ON INDIVIDUAL VEHICLES

LOS ANGELES

EXHAUST EMISSIONS IN GRAMS PER KILOMETER
FUEL CONSUMPTION IN LITERS PER 100 KILOMETERS
SN=1, AS RECEIVED; SN=2, AFTER REST. MAINT.

VEHICLE NUMBER	YR	MAKE	MODEL	CCD	SN	TEST TYPE	HC	CO	CO2	NOXC	FUEL CONS
143	78	HOND	CM185T	180	1	COLD TRANS	3.76	17.89	56.0	.30	4.18
IHC, PPM HEXANE			360			COLD STAB	1.35	11.60	45.0	.22	2.88
ICO(ACTUAL), PCT			1.05			HOT TRANS	1.29	18.06	51.0	.27	3.56
						1975 FTP	1.83	14.66	48.9	.25	3.31
143	78	HOND	CM185T	180	2	COLD TRANS	1.76	17.58	52.6	.34	3.66
IHC, PPM HEXANE			1200			COLD STAB	1.22	11.10	43.2	.25	2.75
ICO(ACTUAL), PCT			3.40			HOT TRANS	1.11	17.19	43.0	.27	3.14
						1975 FTP	1.30	14.09	45.1	.27	3.04
155	78	YAMA	XS400ZE	391	1	COLD TRANS	2.04	14.07	72.8	.48	4.32
IHC, PPM HEXANE			125			COLD STAB	1.20	19.29	61.1	.21	4.06
ICO(ACTUAL), PCT			1.70			HOT TRANS	1.54	17.87	60.8	.34	4.00
						1975 FTP	1.47	17.82	63.4	.30	4.10
158	78	KAWA	KZ1000	1015	1	COLD TRANS	3.08	12.44	115.9	.98	6.19
IHC, PPM HEXANE			412			COLD STAB	2.90	26.69	101.0	.32	6.49
ICO(ACTUAL), PCT			4.15			HOT TRANS	2.00	16.84	98.0	.92	5.58
						1975 FTP	2.69	21.04	103.3	.62	6.18
158	78	KAWA	KZ1000	1015	2	COLD TRANS	2.39	12.52	123.5	.78	6.43
IHC, PPM HEXANE			300			COLD STAB	2.08	27.87	109.9	.26	6.84
ICO(ACTUAL), PCT			3.85			HOT TRANS	1.75	22.56	98.3	.47	5.94
						1975 FTP	2.05	23.23	109.5	.43	6.51
159	78	KAWA	KZ1000B2	1015	1	COLD TRANS	2.42	13.31	112.8	.59	6.03
IHC, PPM HEXANE			425			COLD STAB	2.76	28.65	100.7	.16	6.60
ICO(ACTUAL), PCT			2.50			HOT TRANS	2.24	25.87	90.1	.37	5.88
						1975 FTP	2.55	24.81	100.3	.31	6.28
159	78	KAWA	KZ1000B2	1015	2	COLD TRANS	6.08	18.30	115.4	.58	6.97
IHC, PPM HEXANE			500			COLD STAB	2.80	27.47	102.5	.18	6.59
ICO(ACTUAL), PCT			2.30			HOT TRANS	2.31	26.06	89.4	.39	5.87
						1975 FTP	3.35	25.16	101.6	.32	6.47
160	78	KAWA	KZ650B	652	1	COLD TRANS	4.21	16.09	115.9	.64	6.59
IHC, PPM HEXANE			370			COLD STAB	1.86	20.99	108.3	.27	6.28
ICO(ACTUAL), PCT			.20			HOT TRANS	1.48	20.95	92.1	.43	5.53
						1975 FTP	2.24	19.97	105.4	.39	6.14

APPENDIX D

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FUEL CONSUMPTION IN LITERS PER 100 KILOMETERS
SN=1, AS RECEIVED; SN=2, AFTER REST. MAINT.

VEHICLE NUMBER	YR	MAKE	MODEL	CCD	SN	TEST TYPE	HC	CO	CO2	NOXC	FUEL CONS
160	78	KAWA	KZ650B	652	2	COLD TRANS	3.14	11.54	119.2	.74	6.28
IHC, PPM HEXANE			550			COLD STAB	1.58	14.50	111.4	.32	5.94
ICO(ACTUAL), PCT			.25			HOT TRANS	1.38	16.31	92.0	.51	5.20
						1975 FTP	1.85	14.38	107.7	.46	5.81
161	78	KAWA	KZ650B	652	1	COLD TRANS	8.37	13.39	125.5	1.02	7.38
IHC, PPM HEXANE			1800			COLD STAB	9.56	4.90	132.1	.83	7.26
ICO(ACTUAL), PCT			.33			HOT TRANS	5.42	3.77	119.9	1.08	6.10
						1975 FTP	8.18	6.35	127.4	.94	6.96
162	78	KAWA	KZ650	652	1	COLD TRANS	17.15	48.09	90.6	.36	9.41
IHC, PPM HEXANE			220			COLD STAB	4.99	10.32	108.7	.37	6.00
ICO(ACTUAL), PCT			.65			HOT TRANS	2.41	11.20	95.1	.61	5.13
						1975 FTP	6.80	18.39	101.2	.43	6.47
162	78	KAWA	KZ650	652	2	COLD TRANS	5.10	17.78	106.7	.76	6.43
IHC, PPM HEXANE			637			COLD STAB	2.27	16.02	103.3	.40	5.79
ICO(ACTUAL), PCT			1.13			HOT TRANS	1.74	13.60	95.7	.78	5.23
						1975 FTP	2.71	15.72	101.9	.58	5.77
163	78	KAWA	KZ1000	1015	1	COLD TRANS	6.95	18.29	121.5	.86	7.35
IHC, PPM HEXANE			950			COLD STAB	4.10	23.59	111.5	.34	6.88
ICO(ACTUAL), PCT			8.80			HOT TRANS	2.68	11.64	102.6	1.19	5.53
						1975 FTP	4.30	19.16	111.1	.68	6.61
164	78	KAWA	KZ1000A2	1015	1	COLD TRANS	3.28	12.35	122.7	.75	6.50
IHC, PPM HEXANE			525			COLD STAB	2.02	16.38	123.6	.32	6.64
ICO(ACTUAL), PCT			1.55			HOT TRANS	1.61	17.99	101.3	.65	5.74
						1975 FTP	2.17	15.99	117.3	.50	6.37
164	78	KAWA	KZ1000A2	1015	2	COLD TRANS	4.75	12.34	119.0	.98	6.54
IHC, PPM HEXANE			463			COLD STAB	1.96	16.06	125.0	.47	6.67
ICO(ACTUAL), PCT			1.13			HOT TRANS	1.60	16.30	104.7	.92	5.77
						1975 FTP	2.44	15.36	118.2	.70	6.40
165	78	KAWA	KZ1000	1015	1	COLD TRANS	8.99	28.30	105.6	.77	7.62
IHC, PPM HEXANE			1325			COLD STAB	4.25	27.03	102.2	.22	6.75
ICO(ACTUAL), PCT			1.75			HOT TRANS	2.93	21.68	89.3	.57	5.66
						1975 FTP	4.86	25.82	99.4	.43	6.63

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FUEL CONSUMPTION IN LITERS PER 100 KILOMETERS
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VEHICLE NUMBER	YR	MAKE	MODEL	CCD	SN	TEST TYPE	HC	CO	CO2	NOXC	FUEL CONS
166	78	KAWA	KZ650B2A	652	1	COLD TRANS	1.95	10.09	94.6	.72	4.97
	IHC, PPM HEXANE		525			COLD STAB	2.54	27.98	86.7	.22	5.92
	ICO(ACTUAL), PCT		2.00			HOT TRANS	2.03	21.46	89.3	.60	5.52
						1975 FTP	2.28	22.50	89.0	.43	5.61
167	78	KAWA	KZ650B	652	1	COLD TRANS	2.19	8.99	123.1	1.09	6.15
	IHC, PPM HEXANE		850			COLD STAB	2.05	18.23	112.6	.41	6.30
	ICO(ACTUAL), PCT		2.20			HOT TRANS	1.73	19.50	98.1	.73	5.72
						1975 FTP	1.99	16.67	110.8	.64	6.11
168	78	KAWA	KZ650B	652	1	COLD TRANS	2.81	10.86	113.2	.80	5.94
	IHC, PPM HEXANE		277			COLD STAB	1.98	20.96	92.7	.24	5.63
	ICO(ACTUAL), PCT		1.45			HOT TRANS	1.78	19.09	90.3	.58	5.37
						1975 FTP	2.10	18.34	96.3	.45	5.62
168	78	KAWA	KZ650B	652	2	COLD TRANS	3.61	11.44	118.7	.87	6.32
	IHC, PPM HEXANE		168			COLD STAB	2.17	19.72	103.6	.30	6.03
	ICO(ACTUAL), PCT		.58			HOT TRANS	1.62	14.87	95.8	.73	5.30
						1975 FTP	2.32	16.67	104.6	.54	5.89
169	78	KAWA	KZ650D	652	1	COLD TRANS	3.30	13.25	121.3	.80	6.51
	IHC, PPM HEXANE		600			COLD STAB	2.27	18.94	108.4	.33	6.20
	ICO(ACTUAL), PCT		.75			HOT TRANS	1.77	15.74	100.3	.62	5.57
						1975 FTP	2.35	16.88	108.8	.51	6.09
170	78	KAWA	KZ650B	652	1	COLD TRANS	2.43	8.78	116.0	1.01	5.86
	IHC, PPM HEXANE		475			COLD STAB	1.84	19.27	102.6	.37	5.92
	ICO(ACTUAL), PCT		1.62			HOT TRANS	1.52	15.66	93.2	.76	5.23
						1975 FTP	1.87	16.11	102.8	.61	5.72
170	78	KAWA	KZ650B	652	2	COLD TRANS	3.29	13.81	112.6	.90	6.17
	IHC, PPM HEXANE		400			COLD STAB	2.18	21.29	99.7	.35	5.97
	ICO(ACTUAL), PCT		1.55			HOT TRANS	1.87	18.67	89.9	.66	5.34
						1975 FTP	2.32	19.02	99.7	.55	5.84
171	78	KAWA	KZ650D1	652	1	COLD TRANS	3.11	42.62	84.2	.16	6.87
	IHC, PPM HEXANE		1170			COLD STAB	4.75	46.71	80.0	.13	7.19
	ICO(ACTUAL), PCT		2.75			HOT TRANS	3.97	53.34	67.3	.11	6.98
						1975 FTP	4.20	47.68	77.4	.13	7.06

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VEHICLE NUMBER	YR	MAKE	MODEL	CCD	SN	TEST TYPE	HC	CO	CO2	NOXC	FUEL CONS
172	78	KAWA	KZ650B2	652	1	COLD TRANS	2.57	14.48	115.8	.69	6.26
IHC, PPM HEXANE			260			COLD STAB	2.54	32.55	99.2	.23	6.76
ICO(ACTUAL), PCT			2.75			HOT TRANS	1.98	24.78	92.8	.52	5.89
						1975 FTP	2.39	26.68	100.9	.40	6.41
172	78	KAWA	KZ650B2	652	2	COLD TRANS	2.48	13.31	118.1	.65	6.26
IHC, PPM HEXANE			140			COLD STAB	2.75	31.22	97.6	.23	6.63
ICO(ACTUAL), PCT			1.10			HOT TRANS	2.16	24.30	89.4	.47	5.73
						1975 FTP	2.54	25.61	99.6	.38	6.31
173	78	KAWA	KZ650B	652	1	COLD TRANS	1.87	10.52	122.0	.87	6.16
IHC, PPM HEXANE			235			COLD STAB	1.61	18.24	112.1	.34	6.22
ICO(ACTUAL), PCT			1.75			HOT TRANS	1.45	19.81	93.9	.58	5.53
						1975 FTP	1.62	17.07	109.2	.52	6.02
173	78	KAWA	KZ650B	652	2	COLD TRANS	2.27	9.83	119.2	.84	6.05
IHC, PPM HEXANE			115			COLD STAB	1.97	18.12	105.1	.33	5.96
ICO(ACTUAL), PCT			.39			HOT TRANS	1.58	16.23	93.0	.63	5.27
						1975 FTP	1.92	15.88	104.7	.52	5.79
174	78	KAWA	KZ650B	652	1	COLD TRANS	3.38	15.32	119.3	.91	6.57
IHC, PPM HEXANE			1230			COLD STAB	2.27	19.80	106.4	.34	6.17
ICO(ACTUAL), PCT			3.10			HOT TRANS	1.71	11.13	103.8	.80	5.40
						1975 FTP	2.35	16.49	108.4	.58	6.04
176	78	SUZU	GS1000E	997	1	COLD TRANS	2.05	6.31	115.7	.72	5.63
IHC, PPM HEXANE			2000			COLD STAB	2.50	15.14	98.1	.23	5.54
ICO(ACTUAL), PCT			1.25			HOT TRANS	1.81	13.45	93.9	.64	5.15
						1975 FTP	2.22	12.85	100.6	.44	5.45
177	78	SUZU	GS1000	997	1	COLD TRANS	6.03	26.59	116.4	.68	7.56
IHC, PPM HEXANE			223			COLD STAB	2.09	14.05	119.4	.28	6.32
ICO(ACTUAL), PCT			.60			HOT TRANS	1.52	13.31	107.9	.69	5.70
						1975 FTP	2.75	16.44	115.6	.48	6.41
182	78	SUZU	GS750E	748	1	COLD TRANS	2.10	10.41	116.8	.85	5.96
IHC, PPM HEXANE			750			COLD STAB	2.52	28.58	93.2	.26	6.23
ICO(ACTUAL), PCT			4.00			HOT TRANS	1.77	19.23	94.2	.78	5.55
						1975 FTP	2.23	22.26	98.4	.52	5.99

APPENDIX D

LISTING OF FEDERAL TEST PROCEDURE RESULTS
ON INDIVIDUAL VEHICLES

LOS ANGELES

EXHAUST EMISSIONS IN GRAMS PER KILOMETER
FUEL CONSUMPTION IN LITERS PER 100 KILOMETERS
SN=1, AS RECEIVED; SN=2, AFTER REST. MAINT.

VEHICLE NUMBER	YR	MAKE	MODEL	CCD	SN	TEST TYPE	HC	CO	CO2	NOXC	FUEL CONS
185	78	SUZU	GS550E	549	1	COLD TRANS	3.96	19.56	104.9	.69	6.32
	IHC, PPM HEXANE		550			COLD STAB	1.93	17.06	89.6	.31	5.23
	ICO(ACTUAL), PCT		2.65			HOT TRANS	1.55	17.04	88.4	.60	5.12
						1975 FTP	2.25	17.57	92.5	.47	5.43
185	78	SUZU	GS550E	549	2	COLD TRANS	2.21	17.73	97.3	.51	5.64
	IHC, PPM HEXANE		600			COLD STAB	1.32	12.80	74.7	.21	4.22
	ICO(ACTUAL), PCT		2.85			HOT TRANS	1.38	16.38	81.9	.44	4.78
						1975 FTP	1.52	14.80	81.3	.34	4.67
187	78	SUZU	GS400	398	1	COLD TRANS	1.50	6.39	80.3	.95	4.06
	IHC, PPM HEXANE		65			COLD STAB	1.00	9.09	67.5	.43	3.62
	ICO(ACTUAL), PCT		.05			HOT TRANS	.81	6.33	70.9	1.05	3.56
						1975 FTP	1.05	7.77	71.1	.71	3.69
187	78	SUZU	GS400	398	2	COLD TRANS	1.32	4.14	80.7	1.10	3.90
	IHC, PPM HEXANE		27			COLD STAB	1.16	7.65	65.1	.44	3.45
	ICO(ACTUAL), PCT		.02			HOT TRANS	.86	5.20	69.6	1.12	3.43
						1975 FTP	1.11	6.25	69.6	.76	3.54
188	78	SUZU	SP370C	370	1	COLD TRANS	.86	9.62	83.0	.60	4.30
	IHC, PPM HEXANE		30			COLD STAB	1.18	18.81	74.7	.26	4.61
	ICO(ACTUAL), PCT		1.20			HOT TRANS	.92	13.63	71.5	.60	4.09
						1975 FTP	1.04	15.49	75.5	.42	4.40
188	78	SUZU	SP370C	370	2	COLD TRANS	.95	9.89	82.6	.64	4.31
	IHC, PPM HEXANE		100			COLD STAB	1.25	20.31	76.9	.31	4.81
	ICO(ACTUAL), PCT		1.80			HOT TRANS	.98	15.16	68.9	.64	4.09
						1975 FTP	1.11	16.73	75.9	.47	4.51
189	78	SUZU	SP370	370	1	COLD TRANS	.81	8.62	98.8	.51	4.90
	IHC, PPM HEXANE		160			COLD STAB	.83	11.58	96.6	.33	5.01
	ICO(ACTUAL), PCT		1.75			HOT TRANS	.82	13.85	84.4	.48	4.64
						1975 FTP	.82	11.59	93.7	.41	4.88
193	78	HARL	FXE	1200	1	COLD TRANS	1.72	15.08	108.9	1.39	5.89
	IHC, PPM HEXANE		750			COLD STAB	1.51	10.90	91.7	.97	4.85
	ICO(ACTUAL), PCT		4.00			HOT TRANS	1.38	11.39	98.7	1.34	5.16
						1975 FTP	1.52	11.90	97.2	1.16	5.15

APPENDIX D

LISTING OF FEDERAL TEST PROCEDURE RESULTS
ON INDIVIDUAL VEHICLES

LOS ANGELES

EXHAUST EMISSIONS IN GRAMS PER KILOMETER
FUEL CONSUMPTION IN LITERS PER 100 KILOMETERS
SN=1, AS RECEIVED; SN=2, AFTER REST. MAINT.

VEHICLE NUMBER	YR	MAKE	MODEL	CCD	SN	TEST TYPE	HC	CO	CO2	NOXC	FUEL CONS
194	79	HARL	XLH1000	1000	1	COLD TRANS	6.63	27.76	106.4	.57	7.30
	IHC, PPM HEXANE		2000			COLD STAB	2.39	14.66	111.3	.46	6.05
	ICO(ACTUAL), PCT		4.60			HOT TRANS	2.18	19.36	115.5	.61	6.52
						1975 FTP	3.21	18.66	111.4	.52	6.44
217	78	KAWA	KZ650D1	652	1	COLD TRANS	2.69	14.55	124.2	.72	6.64
	IHC, PPM HEXANE		175			COLD STAB	1.43	17.28	121.8	.37	6.55
	ICO(ACTUAL), PCT		.23			HOT TRANS	.89	8.76	72.5	.46	3.80
						1975 FTP	1.54	14.38	108.8	.47	5.81
217	78	KAWA	KZ650D1	652	2	COLD TRANS	3.86	13.43	117.6	.88	6.44
	IHC, PPM HEXANE		268			COLD STAB	1.73	11.17	113.4	.48	5.82
	ICO(ACTUAL), PCT		.28			HOT TRANS	1.39	14.31	98.1	.68	5.33
						1975 FTP	2.08	12.58	110.1	.58	5.81
218	78	KAWA	KZ650B	652	1	COLD TRANS	3.76	14.23	117.0	1.01	6.45
	IHC, PPM HEXANE		238			COLD STAB	1.76	14.22	108.2	.48	5.81
	ICO(ACTUAL), PCT		.63			HOT TRANS	1.42	14.51	92.8	.71	5.09
						1975 FTP	2.08	14.38	105.6	.61	5.74
219	78	KAWA	KZ650B2	652	1	COLD TRANS	3.74	16.25	113.8	.98	6.45
	IHC, PPM HEXANE		328			COLD STAB	1.72	17.45	108.7	.34	6.04
	ICO(ACTUAL), PCT		1.02			HOT TRANS	1.37	16.92	93.8	.69	5.32
						1975 FTP	2.04	17.06	105.7	.55	5.93
219	78	KAWA	KZ650B2	652	2	COLD TRANS	3.46	14.02	115.0	.87	6.31
	IHC, PPM HEXANE		625			COLD STAB	1.58	15.74	110.2	.38	5.97
	ICO(ACTUAL), PCT		.88			HOT TRANS	1.35	15.19	94.8	.68	5.24
						1975 FTP	1.91	15.23	107.0	.56	5.84
220	78	KAWA	KZ650B	652	1	COLD TRANS	4.41	19.79	111.3	.85	6.67
	IHC, PPM HEXANE		438			COLD STAB	2.19	21.01	101.6	.31	6.04
	ICO(ACTUAL), PCT		2.50			HOT TRANS	1.77	16.17	91.2	.74	5.21
						1975 FTP	2.53	19.43	100.8	.54	5.94
220	78	KAWA	KZ650B	652	2	COLD TRANS	4.08	17.02	116.4	.96	6.66
	IHC, PPM HEXANE		738			COLD STAB	2.09	19.65	106.6	.35	6.15
	ICO(ACTUAL), PCT		.88			HOT TRANS	1.59	15.52	96.0	.76	5.35
						1975 FTP	2.36	17.97	105.7	.59	6.03

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APPENDIX D

LISTING OF FEDERAL TEST PROCEDURE RESULTS
ON INDIVIDUAL VEHICLES

LOS ANGELES

EXHAUST EMISSIONS IN GRAMS PER KILOMETER
FUEL CONSUMPTION IN LITERS PER 100 KILOMETERS
SN=1, AS RECEIVED; SN=2, AFTER REST. MAINT.

VEHICLE NUMBER	YR	MAKE	MODEL	CCD	SN	TEST TYPE	HC	CO	CO2	NOXC	FUEL CONS
221	78	KAWA	KZ650D1	652	1	COLD TRANS	3.88	18.71	113.2	.82	6.61
IHC, PPM HEXANE				43		COLD STAB	2.55	25.23	94.7	.34	6.07
ICO(ACTUAL), PCT				.05		HOT TRANS	1.82	20.39	86.7	.69	5.31
						1975 FTP	2.62	22.56	96.3	.54	5.98
221	78	KAWA	KZ650	652	2	COLD TRANS	3.72	16.11	111.5	.92	6.34
IHC, PPM HEXANE				663		COLD STAB	2.20	22.90	96.1	.32	5.93
ICO(ACTUAL), PCT				3.20		HOT TRANS	1.62	18.09	81.9	.55	4.92
						1975 FTP	2.36	20.17	95.4	.51	5.74
227	78	SUZU	GS400	398	1	COLD TRANS	3.21	20.55	80.3	.73	5.24
IHC, PPM HEXANE				398		COLD STAB	1.89	18.01	69.3	.41	4.42
ICO(ACTUAL), PCT				1.38		HOT TRANS	1.18	12.79	69.9	.77	4.00
						1975 FTP	1.97	17.10	71.7	.57	4.47
227	78	SUZU	GS400	398	2	COLD TRANS	2.08	15.06	80.0	.79	4.70
IHC, PPM HEXANE				140		COLD STAB	1.79	18.03	69.5	2.51	4.41
ICO(ACTUAL), PCT				1.93		HOT TRANS	1.29	15.23	68.1	.71	4.10
						1975 FTP	1.71	16.64	71.3	1.66	4.39
228	78	SUZU	SP370	370	1	COLD TRANS	.95	10.72	76.5	.70	4.11
IHC, PPM HEXANE				165		COLD STAB	.92	16.74	71.7	.29	4.30
ICO(ACTUAL), PCT				4.40		HOT TRANS	.70	9.38	68.2	.87	3.63
						1975 FTP	.87	13.48	71.7	.53	4.08
228	78	SUZU	SP370	370	2	COLD TRANS	.99	12.58	74.4	.60	4.15
IHC, PPM HEXANE				120		COLD STAB	1.05	19.23	67.8	.26	4.32
ICO(ACTUAL), PCT				2.90		HOT TRANS	.62	8.85	62.7	.54	3.35
						1975 FTP	.92	15.00	67.8	.41	4.02

APPENDIX E

LISTING OF HIGHWAY FUEL ECONOMY AND EMISSIONS RESULTS ON INDIVIDUAL VEHICLES

APPENDIX E

LISTING OF HIGHWAY FUEL ECONOMY AND EMISSIONS RESULTS
ON INDIVIDUAL VEHICLES

LOS ANGELES

EXHAUST EMISSIONS IN GRAMS PER KILOMETER
FUEL CONSUMPTION IN LITERS PER 100 KILOMETERS
SN=1, AS RECEIVED; SN=2, AFTER REST. MAINT.

VEHICLE NUMBER	YR	MAKE	MODEL	CCD	SN	HC	CO	CO2	NOXC	FUEL CONS
51	77	HOND	GL1000	999	1	.91	5.31	109.5	.99	5.15
51	77	HOND	GL1000	999	2	.98	5.21	104.1	1.04	4.92
56	77	HOND	CB750K	736	1	.61	2.52	87.7	1.41	3.99
56	77	HOND	CB750K	736	2	.63	2.86	88.4	1.52	4.05
68	77	HOND	CB400F	408	1	1.61	35.18	48.3	.11	4.64
68	77	HOND	CB400F	408	2	2.03	44.53	47.2	.08	5.27
78	77	HOND	XL175	173	1	.78	29.59	46.5	.18	4.07
86	77	YAMA	XS750	743	1	1.36	31.08	70.1	.50	5.26
87	77	YAMA	XS650	653	1	.64	10.21	67.3	.92	3.64
87	77	YAMA	XS650	653	2	.70	15.96	65.0	.77	3.94
88	77	YAMA	XS650	653	1	.94	14.81	60.0	.86	3.68
88	77	YAMA	XS650	653	2	1.23	25.54	54.3	.47	4.20
89	77	YAMA	XT500	498	1	.68	23.42	51.7	.22	3.87
89	77	YAMA	XT500	498	2	.73	26.04	58.0	.23	4.32
90	77	YAMA	XT500	498	1	.59	31.16	50.0	.15	4.30
90	77	YAMA	XT500	498	2	.57	31.17	50.5	.17	4.32
91	77	YAMA	XT500	498	1	.50	27.14	51.5	.19	4.08
98	77	YAMA	XS360	347	1	.75	24.78	49.7	.12	3.88
98	77	YAMA	XS360	347	2	.75	23.28	48.9	.17	3.75
103	77	KAWA	KZ1000	1015	1	.68	6.13	93.5	1.05	4.49
103	77	KAWA	KZ1000	1015	2	.55	3.66	96.8	.99	4.41
104	77	KAWA	KZ1000	1015	1	1.18	14.26	88.7	.67	4.90
104	77	KAWA	KZ1000	1015	2	1.03	13.95	95.0	.87	5.13
105	77	KAWA	KZ1000	1015	1	2.30	50.34	59.8	.11	6.24
105	77	KAWA	KZ1000	1015	2	1.74	40.08	66.6	.21	5.76
106	77	KAWA	KZ750	745	1	.52	8.32	86.5	1.08	4.32
106	77	KAWA	KZ750	745	2	.49	9.46	81.7	.86	4.18
107	77	KAWA	KZ650	652	1	1.43	33.34	71.7	.21	5.49
108	77	KAWA	KZ650	652	1	1.40	28.12	80.7	.28	5.52
108	77	KAWA	KZ650	652	2	1.21	27.70	75.6	.32	5.24
109	77	KAWA	KZ400	398	1	.82	28.11	48.7	.19	4.07
109	77	KAWA	KZ400	398	2	.80	27.32	45.9	.16	3.90
110	77	KAWA	KZ400	398	1	.55	15.59	68.2	.78	3.02
110	77	KAWA	KZ400	398	2	.53	8.38	73.0	1.21	3.75
111	77	KAWA	KZ400	398	1	.86	32.65	52.0	.20	4.52
111	77	KAWA	KZ400	398	2	.73	31.68	50.3	.20	4.37
112	77	KAWA	KH400	400	1	15.86	44.44	53.5	.03	7.41
112	77	KAWA	KH400	400	2	11.77	34.27	52.2	.03	6.11
113	77	KAWA	KE175	174	1	8.47	41.96	40.7	.04	5.69
115	77	SUZU	GS750	748	1	1.86	42.37	74.8	.14	6.28
115	77	SUZU	GS750	748	2	2.20	38.22	63.2	.16	5.56
116	77	SUZU	GS550	549	1	1.40	31.03	66.5	.20	5.11
116	77	SUZU	GS550	549	2	1.37	24.08	66.0	.29	4.61
117	77	SUZU	GS400	398	1	3.81	65.42	39.3	.04	6.58
117	77	SUZU	GS400	398	2	1.29	36.39	53.5	.16	4.90

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APPENDIX F

LISTING OF MODAL EMISSIONS RESULTS ON INDIVIDUAL VEHICLES

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APPENDIX F

LISTING OF MODAL EMISSIONS RESULTS
ON INDIVIDUAL VEHICLES

LOS ANGELES

EXHAUST EMISSIONS IN GRAMS PER KM(PER MIN AT IDLE)
FUEL CONSUMPTION IN LITERS PER 100 KMS(PER 100 MIN AT IDLE)

VEH NO.	YR	MAKE	MODEL	CCD
51	77	HOND	GL1000	999

MODE	T,SEC	HC	CO	CO2	NOX	FUEL CON	MODE	T,SEC	HC	CO	CO2	NOX	FUEL CON
1	10	1.27	5.13	48.9	0.00	2.60	2	12	3.60	22.90	204.7	.10	10.75
3	15	2.52	11.38	97.6	1.08	5.27	4	16	4.72	7.45	113.4	.63	5.97
5	10	1.92	2.34	39.9	.06	2.12	6	8	6.06	38.78	324.8	0.00	17.27
7	15	4.74	21.61	157.2	.70	8.79	8	11	5.50	11.86	143.C	.25	7.64
9	15	3.33	8.40	103.6	.74	5.43	10	13	3.03	4.19	123.9	.58	5.98
11	15	1.38	6.57	93.8	1.48	4.63	12	12	1.33	3.34	87.1	.98	4.12
13	15	1.31	4.82	89.7	.43	4.33	14	17	1.20	26.99	142.6	.89	8.05
15	15	2.56	10.39	114.9	1.37	5.94	16	12	.84	4.19	72.3	1.79	3.48
17	15	2.36	6.38	88.9	.52	4.54	18	14	1.16	2.42	139.1	1.34	6.25
19	16	.90	2.45	119.4	2.33	5.38	20	30	1.03	3.25	96.7	1.25	4.48
21	15	2.54	8.62	122.5	.49	6.15	22	26	1.48	9.38	147.8	1.62	7.13
23	15	.83	1.05	120.5	2.41	5.32	24	21	1.89	6.91	74.8	1.83	3.91
25	10	2.40	2.94	39.1	.06	2.19	26	32	2.08	9.03	152.9	1.81	7.41
27	15	.89	1.53	118.0	2.40	5.26	28	23	.89	4.03	97.7	1.46	4.56
29	15	.93	5.76	90.9	.73	4.39	30	9	.98	4.61	97.8	.43	4.61
31	15	1.30	9.30	119.1	.30	5.88	32	8	2.91	22.50	239.6	0.00	12.12
33	10	.54	4.38	41.3	.06	2.13	34	22	2.63	15.99	150.1	1.02	7.83
35	15	1.15	6.69	91.9	1.32	4.52	36	16	1.22	3.52	66.6	.85	3.24
37	15	4.80	9.00	110.8	.20	5.98	38	18	1.43	10.15	141.0	.47	6.89
39	15	1.28	8.44	93.2	1.61	4.71	40	19	1.85	4.34	81.4	.92	4.01
41	10	1.68	2.94	41.8	.06	2.21	42	25	2.48	30.31	155.0	1.14	8.98
43	15	1.19	4.00	118.3	1.96	5.47	44	28	1.31	5.00	99.1	1.26	4.74
45	10	.72	3.36	41.8	.12	2.11	46	15	2.81	18.28	179.5	.31	9.26
47	15	2.53	8.25	103.9	.74	5.33	48	25	2.22	5.34	134.6	1.40	6.40
49	16	.94	3.24	117.7	2.33	5.36	50	18	.83	6.73	67.5	1.35	3.44
51	16	3.28	8.10	80.8	.18	4.43	52	10	2.27	7.27	141.1	.60	6.81
53	10	.60	3.00	44.1	.12	2.16	54	38	1.93	10.51	144.9	1.75	7.15
55	15	.86	3.44	117.4	2.17	5.35	56	35	1.20	5.93	107.7	1.45	5.15
57	10	.66	4.32	42.1	.12	2.17	58	18	3.24	18.01	173.3	.39	9.04
59	15	2.75	9.31	99.1	.64	5.22	60	21	2.45	9.42	139.7	1.28	6.92
61	15	1.03	4.10	116.5	2.30	5.38	62	14	.81	7.40	59.9	1.53	3.16
63	15	3.81	10.24	76.9	.19	4.48	64	13	2.35	9.55	115.6	.56	5.89
65	12	1.05	3.50	39.3	.05	2.05							
BAG		1.82	8.41	111.9	1.36	5.58							
INTEG		1.87	8.35	119.8	1.35	5.92							
0KPH		.88	4.65	30.0	.02	1.71	8KPH		5.08	39.56	326.0	.23	17.24
16KPH		2.19	19.76	165.0	.10	8.66	24KPH		5.88	13.24	139.2	.19	7.62
48KPH		3.75	4.21	93.8	.32	4.79	72KPH		.82	2.40	88.7	.79	4.05
97KPH		.49	.79	113.2	1.55	4.95							

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APPENDIX F

LISTING OF MODAL EMISSIONS RESULTS
ON INDIVIDUAL VEHICLES

LOS ANGELES

EXHAUST EMISSIONS IN GRAMS PER KM(PER MIN AT IDLE)
FUEL CONSUMPTION IN LITERS PER 100 KMS(PER 100 MIN AT IDLE)

VEH NO.	YR	MAKE	MODEL	CCD
56	77	HOND	CB750K	736

MODE	T.SEC	HC	CO	CO2	NOX	FUEL CON	MODE	T.SEC	HC	CO	CO2	NOX	FUEL CON
1	10	.45	12.78	33.3	0.00	2.34	2	12	2.00	43.14	141.8	.09	9.21
3	15	1.33	16.28	73.5	.99	4.41	4	16	1.27	25.63	82.1	.36	5.39
5	10	.36	8.28	25.5	.06	1.69	6	8	2.75	56.50	142.5	0.00	10.24
7	15	2.30	33.20	116.9	.20	7.52	8	11	1.17	35.37	103.5	.16	6.94
9	15	1.13	11.53	77.1	.69	4.21	10	13	.89	18.83	97.5	.26	5.54
11	15	.88	6.54	79.5	1.80	3.95	12	12	.64	3.84	55.3	1.18	2.70
13	15	.88	13.44	57.3	.49	3.46	14	17	1.25	44.22	107.9	.63	7.73
15	15	1.30	20.39	95.9	.83	5.63	16	12	.67	2.41	66.4	2.06	3.08
17	15	.89	8.54	74.2	.69	3.86	18	14	.83	21.51	108.6	1.16	6.19
19	16	1.08	16.20	99.1	1.36	5.46	20	30	.58	4.15	66.1	1.59	3.18
21	15	1.45	27.37	76.5	.19	5.29	22	26	1.34	31.55	111.4	1.07	7.05
23	15	.98	10.24	102.0	1.47	5.17	24	21	.75	5.21	71.3	2.31	3.49
25	10	.36	9.42	30.3	.12	1.97	26	32	1.64	35.12	115.3	1.02	7.49
27	15	1.00	10.02	102.4	1.55	5.17	28	23	.57	3.53	64.5	1.75	3.06
29	15	.68	19.50	55.1	.14	3.75	30	9	.89	17.41	57.5	.22	3.74
31	15	1.10	29.30	95.1	.20	6.17	32	8	3.47	61.73	166.1	.43	11.69
33	10	.60	9.12	27.4	.06	1.86	34	22	1.50	23.17	116.7	.86	6.73
35	15	1.01	5.49	79.7	1.90	3.90	36	16	.70	5.18	60.3	1.21	3.01
37	15	1.10	23.90	78.1	.60	5.08	38	18	.97	23.38	107.5	.35	6.28
39	15	1.04	7.67	79.0	1.83	4.02	40	19	.86	6.68	76.2	1.47	3.81
41	10	.36	8.46	28.4	.18	1.83	42	25	2.31	52.61	115.2	.69	8.75
43	15	1.33	18.68	95.5	.86	5.50	44	28	.76	5.84	69.0	1.73	3.44
45	10	.48	8.88	22.5	.06	1.62	46	15	2.03	36.79	124.2	.07	8.04
47	15	1.23	11.18	75.0	1.13	4.11	48	25	1.09	22.44	105.8	1.32	6.16
49	16	1.08	15.78	99.0	1.50	5.43	50	18	.59	2.63	59.5	1.90	2.79
51	16	1.42	14.97	51.8	.27	3.40	52	10	2.38	26.19	87.3	.31	5.80
53	10	.42	8.28	26.0	.06	1.72	54	38	1.38	19.29	116.4	1.68	6.44
55	15	.93	11.67	100.0	1.70	5.17	56	35	.68	7.48	74.1	1.67	3.75
57	10	.36	10.92	28.9	.06	2.01	58	18	1.16	31.62	122.4	.12	7.50
59	15	1.02	11.71	74.9	.83	4.12	60	21	1.28	41.53	99.4	.68	7.20
61	15	1.28	32.68	94.5	.86	6.39	62	14	.67	3.08	53.0	2.02	2.56
63	15	1.56	10.39	54.3	.49	3.22	64	13	2.82	23.52	80.8	.23	5.40
65	12	.50	9.00	27.6	.05	1.85							
BAG		1.08	18.76	83.1	1.12	4.95							
INTEG		1.16	18.82	92.2	1.17	5.35							
0KPH		.89	7.56	10.1	.01	1.06	8KPH		2.63	71.75	143.5	.12	11.28
16KPH		1.54	42.57	86.6	.07	6.75	24KPH		1.49	41.86	79.6	.07	6.40
48KPH		.72	18.27	61.3	.09	3.94	72KPH		.48	1.54	75.2	1.00	3.38
97KPH		.54	.96	98.5	1.98	4.34							

APPENDIX F

LISTING OF MODAL EMISSIONS RESULTS ON INDIVIDUAL VEHICLES

LOS ANGELES

EXHAUST EMISSIONS IN GRAMS PER KM(PER MIN AT IDLE)
FUEL CONSUMPTION IN LITERS PER 100 KMS(PER 100 MIN AT IDLE)

VEH NO.	YR	MAKE	MODEL	CCD
68	77	HOND	CB400F	408

MODE	T,SEC	HC	CO	CO2	NOX	FUEL CON	MODE	T,SEC	HC	CO	CO2	NOX	FUEL CON
1	10	.51	4.91	19.8	0.00	1.24	2	12	2.52	55.36	97.8	0.00	8.22
3	15	2.42	26.89	50.8	.14	4.30	4	16	2.15	24.31	48.6	.17	3.99
5	10	.90	4.32	16.0	0.00	1.09	6	8	3.52	44.70	129.4	0.00	8.99
7	15	3.75	34.80	65.0	.09	5.61	8	11	2.64	38.37	71.6	.08	5.98
9	15	2.19	25.17	49.3	.14	4.09	10	13	2.16	41.71	60.8	.09	5.68
11	15	2.13	34.04	47.5	.13	4.60	12	12	1.51	18.03	33.1	.14	2.82
13	15	1.96	16.42	42.5	.09	3.18	14	17	2.13	54.12	69.1	.11	6.86
15	15	2.77	53.04	59.8	.12	6.48	16	12	1.61	25.36	41.7	.17	3.70
17	15	1.84	28.78	47.9	.06	4.22	18	14	1.83	47.86	67.1	.12	6.32
19	16	1.80	42.38	62.7	.16	5.76	20	30	1.47	25.84	46.2	.12	3.90
21	15	1.60	20.47	55.2	.09	3.94	22	26	3.33	61.61	69.8	.33	7.56
23	15	2.29	41.80	61.7	.12	5.74	24	21	1.89	23.92	42.3	.19	3.66
25	10	1.08	4.56	17.0	0.00	1.18	26	32	2.88	53.87	75.8	.17	7.23
27	15	1.77	41.97	61.6	.14	5.68	28	23	1.46	25.87	43.9	.12	3.80
29	15	1.17	18.97	43.3	.09	3.28	30	9	1.39	16.34	35.1	.10	2.78
31	15	2.69	16.63	50.6	.09	3.64	32	8	4.28	32.14	93.6	0.00	6.73
33	10	.60	5.58	17.5	0.00	1.20	34	22	3.20	52.10	72.4	.06	7.01
35	15	2.17	33.09	47.2	.13	4.52	36	16	1.66	18.24	32.9	.13	2.85
37	15	3.20	16.60	52.5	0.00	3.78	38	18	2.61	50.15	66.2	.03	6.54
39	15	2.17	32.13	48.0	.13	4.49	40	19	1.82	18.31	38.5	.19	3.12
41	10	1.08	3.66	15.8	0.00	1.07	42	25	4.55	61.99	77.2	.39	8.06
43	15	3.54	54.88	59.6	.09	6.70	44	28	1.94	22.20	39.0	.14	3.41
45	10	1.56	3.54	14.8	0.00	1.08	46	15	4.39	48.78	87.0	0.00	7.57
47	15	2.43	23.56	49.4	.14	4.01	48	25	2.32	48.00	66.3	.11	6.36
49	16	1.96	41.75	62.1	.18	5.71	50	18	1.45	21.95	36.4	.15	3.22
51	16	2.33	15.36	41.1	.04	3.10	52	10	2.13	18.93	45.3	.13	3.49
53	10	.72	4.32	15.2	.06	1.04	54	38	2.90	51.10	72.2	.13	6.90
55	15	1.80	41.58	61.7	.14	5.66	56	35	1.74	23.60	41.8	.13	3.60
57	10	1.50	3.90	16.4	0.00	1.16	58	18	3.94	46.05	85.6	.06	7.27
59	15	2.14	23.02	49.7	.19	3.95	60	21	2.26	51.82	67.3	.11	6.65
61	15	2.71	49.03	59.5	.14	6.19	62	14	1.64	25.39	40.1	.17	3.63
63	15	1.51	20.14	41.3	.04	3.32	64	13	1.89	21.78	44.5	.10	3.61
65	12	.90	4.30	14.6	0.00	1.03							
BAG		2.32	37.04	51.2	.14	4.98							
INTEG		2.38	37.91	58.0	.14	5.34							
0KPH		.43	4.33	11.3	.01	.83	8KPH		5.03	50.95	96.7	.07	8.22
16KPH		4.79	43.86	71.7	.06	6.65	24KPH		2.86	32.38	50.4	.04	4.71
48KPH		1.63	28.33	38.3	.05	3.75	72KPH		1.36	26.58	45.0	.14	3.88
97KPH		1.45	38.91	58.8	.15	5.31							

APPENDIX F

LISTING OF MODAL EMISSIONS RESULTS
ON INDIVIDUAL VEHICLES

LOS ANGELES

EXHAUST EMISSIONS IN GRAMS PER KM(PER MIN AT IDLE)
FUEL CONSUMPTION IN LITERS PER 100 KMS(PER 100 MIN AT IDLE)

VEH NO.	YR	MAKE	MODEL	CCD
78	77	HOND	XL175	173

MODE	T,SEC	HC	CO	CO2	NOX	FUEL CON	MODE	T,SEC	HC	CO	CO2	NOX	FUEL CON
1	10	.34	7.63	17.6	0.00	1.31	2	12	1.53	48.77	65.3	0.00	6.26
3	15	1.32	32.30	36.0	.04	3.88	4	16	1.53	27.94	35.6	0.00	3.60
5	10	.48	4.68	12.5	0.00	.91	6	8	2.50	49.72	88.3	0.00	7.44
7	15	2.35	40.88	48.1	0.00	5.11	8	11	1.88	41.28	47.7	0.00	5.06
9	15	1.28	32.90	36.6	.04	3.94	10	13	1.21	37.75	43.5	.04	4.55
11	15	.92	30.98	41.3	.06	3.96	12	12	.84	20.89	28.0	.09	2.71
13	15	1.37	27.54	30.0	0.00	3.31	14	17	1.11	38.79	52.9	.09	5.01
15	15	1.07	42.31	59.2	.20	5.51	16	12	1.26	37.99	38.8	.14	4.37
17	15	1.01	31.54	38.3	.06	3.88	18	14	.90	40.37	53.0	.09	5.09
19	16	1.39	55.73	50.3	.09	6.07	20	30	1.23	30.50	34.8	.09	3.69
21	15	2.42	23.49	43.0	0.00	3.74	22	26	1.76	53.99	48.2	.02	5.91
23	15	1.46	56.18	50.4	.07	6.11	24	21	1.43	33.21	33.5	.09	3.85
25	10	.60	4.80	14.0	0.00	1.00	26	32	1.92	54.63	50.8	.05	6.09
27	15	1.52	57.03	49.6	.07	6.14	28	23	1.30	35.21	36.0	.08	4.07
29	15	1.53	30.39	29.6	0.00	3.51	30	9	1.63	22.50	23.6	0.00	2.74
31	15	2.00	27.10	40.3	0.00	3.81	32	8	4.44	39.62	58.9	0.00	5.77
33	10	.48	6.84	12.8	0.00	1.07	34	22	1.57	42.24	52.4	.03	5.28
35	15	.88	30.26	40.5	.06	3.87	36	16	.80	18.47	26.1	.08	2.46
37	15	1.68	24.15	41.9	0.00	3.63	38	18	1.51	42.66	47.4	.03	5.08
39	15	1.37	36.42	38.9	.06	4.29	40	19	.92	20.43	31.3	.09	2.83
41	10	.48	5.22	14.6	0.00	1.04	42	25	2.34	54.58	51.3	.02	6.16
43	15	1.56	56.17	49.9	.05	6.10	44	28	1.44	33.91	36.7	.09	4.03
45	10	.78	4.80	13.3	0.00	.99	46	15	2.25	48.22	59.0	0.00	6.05
47	15	1.42	33.77	35.0	.04	3.95	48	25	1.11	41.51	49.7	.07	5.05
49	16	1.32	53.75	50.8	.09	5.95	50	18	1.35	34.28	32.7	.07	3.87
51	16	1.65	26.58	29.1	0.00	3.25	52	10	2.02	25.67	29.7	0.00	3.26
53	10	.42	6.66	12.5	0.00	1.04	54	38	1.68	53.71	50.8	.04	5.99
55	15	1.40	56.09	50.1	.07	6.09	56	35	1.39	33.75	36.2	.09	3.99
57	10	.78	4.62	13.7	0.00	1.00	58	18	2.33	46.93	55.9	0.00	5.84
59	15	1.28	33.31	34.8	.04	3.89	60	21	1.25	48.41	46.2	.04	5.38
61	15	1.52	58.60	49.3	.05	6.24	62	14	1.55	36.81	30.1	.06	3.96
63	15	1.71	25.73	28.9	0.00	3.19	64	13	1.91	24.14	29.7	0.00	3.14
65	12	.40	4.75	11.4	0.00	.86							
BAG		1.41	41.62	36.9	.07	4.55							
INTEG		1.49	41.57	44.6	.07	4.89							
0KPH		.10	2.87	6.3	.01	.47	8KPH		2.25	49.13	50.1	.05	5.73
16KPH		1.56	43.12	48.8	.06	5.18	24KPH		1.83	39.09	33.7	.04	4.30
48KPH		1.22	34.14	28.0	.03	3.65	72KPH		.79	29.38	35.9	.08	3.61
97KPH		.86	35.45	58.2	.20	4.97							

APPENDIX F

LISTING OF MODAL EMISSIONS RESULTS
ON INDIVIDUAL VEHICLES

LOS ANGELES

EXHAUST EMISSIONS IN GRAMS PER KM(PER MIN AT IDLE)
FUEL CONSUMPTION IN LITERS PER 100 KMS(PER 100 MIN AT IDLE)

VEH NO.	YR	MAKE	MODEL	CCD
86	77	YAMA	XS750	743

MODE	T,SEC	HC	CO	CO2	NOX	FUEL CON	MODE	T,SEC	HC	CO	CO2	NOX	FUEL CON
1	10	.46	9.03	27.8	0.00	1.85	2	12	1.58	45.24	123.3	.09	8.50
3	15	1.37	28.07	64.8	.34	4.83	4	16	1.73	35.13	70.0	.17	5.57
5	10	.66	7.50	22.5	0.00	1.55	6	8	3.14	54.57	152.9	0.00	10.60
7	15	1.65	30.38	81.8	.09	5.75	8	11	1.02	31.02	90.1	.08	6.06
9	15	1.04	29.15	64.4	.19	4.84	10	13	1.16	34.34	87.7	.13	6.20
11	15	1.48	27.96	67.4	.75	4.95	12	12	1.36	23.31	40.4	.34	3.47
13	15	1.88	19.50	49.4	.09	3.67	14	17	1.32	45.16	104.7	.36	7.67
15	15	1.23	34.24	87.3	.66	6.18	16	12	1.02	27.18	69.5	.84	4.92
17	15	1.28	32.87	62.2	.36	5.03	18	14	1.44	38.91	97.9	.48	6.98
19	16	1.13	36.17	84.7	.67	6.19	20	30	1.21	22.72	49.6	.52	3.80
21	15	3.80	19.50	68.9	0.00	4.76	22	26	1.57	36.49	108.6	.64	7.29
23	15	1.11	34.57	85.8	.66	6.13	24	21	1.33	30.49	59.3	.64	4.75
25	19	.42	9.76	22.7	.06	1.68	26	32	1.61	38.58	110.1	.69	7.50
27	15	1.52	39.63	83.4	.61	6.42	28	23	1.29	26.06	54.0	.54	4.22
29	15	.93	25.17	51.6	.09	4.01	30	9	.97	23.91	48.8	.10	3.81
31	15	1.56	28.13	76.9	.09	5.38	32	8	2.59	46.66	147.0	0.00	9.75
33	10	.36	6.78	25.9	.06	1.61	34	22	1.46	35.22	105.9	.30	7.07
35	15	1.41	28.48	64.8	.65	4.86	36	16	1.38	22.39	43.0	.32	3.52
37	15	3.06	23.16	76.4	.09	5.22	38	18	1.34	33.00	101.2	.15	6.71
39	15	1.54	26.74	66.8	.78	4.85	40	19	1.73	26.78	54.6	.39	4.36
41	10	.72	7.26	25.9	.06	1.69	42	25	2.10	48.05	116.7	.50	8.48
43	15	1.19	35.00	85.5	.62	6.15	44	28	1.31	26.33	56.8	.64	4.36
45	10	.72	7.32	22.9	0.00	1.56	46	15	2.29	46.06	119.5	.08	8.49
47	15	1.23	29.25	63.2	.19	4.82	48	25	1.42	38.82	96.3	.48	6.90
49	16	1.11	35.76	85.2	.64	6.18	50	18	.99	20.39	47.7	.65	3.53
51	16	2.23	19.44	47.8	.09	3.64	52	10	1.73	28.26	63.9	.14	4.85
53	10	.48	7.50	21.8	.06	1.50	54	39	1.58	35.75	104.6	.68	7.07
55	15	1.06	34.19	85.7	.66	6.09	56	35	1.51	24.74	55.5	.54	4.23
57	10	.84	7.14	24.8	0.00	1.65	58	18	2.06	44.20	106.2	.06	7.77
59	15	1.19	30.44	60.6	.14	4.79	60	21	1.43	40.78	100.1	.50	7.20
61	15	1.18	35.58	84.0	.64	6.13	62	14	.96	17.97	46.3	.72	3.31
63	15	1.98	15.74	51.4	.14	3.51	64	13	1.39	20.32	69.9	.10	4.53
65	12	.45	4.55	24.6	.05	1.42							
BAG		1.40	32.51	73.4	.47	5.50							
INTEG		1.48	32.71	81.0	.48	5.85							
0KPH		.26	5.16	13.7	.01	.97	8KPH		1.74	43.10	179.8	.13	10.79
16KPH		.88	21.53	102.2	.09	5.92	24KPH		.65	18.91	71.0	.07	4.38
48KPH		.99	32.49	52.2	.08	4.54	72KPH		1.34	32.93	57.7	.26	4.85
97KPH		.97	36.35	80.1	.48	5.98							

APPENDIX F

LISTING OF MODAL EMISSIONS RESULTS
ON INDIVIDUAL VEHICLES

LOS ANGELES

EXHAUST EMISSIONS IN GRAMS PER KM(PER MIN AT IDLE)
FUEL CONSUMPTION IN LITERS PER 100 KMS(PER 100 MIN AT IDLE)

VEH NO.	YR	MAKE	MODEL	CCD
87	77	YAMA	XS650	653

MODE	T.SEC	HC	CO	CO2	NOX	FUEL CON	MODE	T.SEC	HC	CO	CO2	NOX	FUEL CON
1	10	.40	10.51	34.0	.06	2.21	2	12	1.18	33.65	121.5	0.00	7.60
3	15	.99	19.95	60.4	.34	4.05	4	16	1.16	30.91	61.1	.08	4.83
5	10	.78	7.32	20.9	0.00	1.49	6	8	4.83	67.74	179.0	0.00	12.83
7	15	1.71	27.27	83.6	.10	5.62	8	11	.70	24.33	86.3	.08	5.41
9	15	.83	21.77	59.1	.19	4.09	10	13	.95	29.45	74.6	.09	5.28
11	15	1.02	21.78	58.2	.56	4.08	12	12	.87	18.04	38.2	.29	2.96
13	15	1.98	19.30	48.4	.09	3.63	14	17	1.11	33.53	97.2	.25	6.54
15	15	.88	31.03	88.0	.81	5.95	16	12	.67	18.36	47.9	.76	3.36
17	15	1.75	22.11	54.0	.29	4.02	18	14	.96	28.64	87.2	.39	5.77
19	16	.83	29.90	87.0	.81	5.83	20	30	1.14	18.04	43.1	.51	3.20
21	15	4.35	18.51	60.7	.09	4.42	22	26	1.23	28.24	96.2	.54	6.16
23	15	.81	30.07	81.9	.69	5.62	24	21	1.08	16.92	39.0	.62	2.94
25	10	1.92	5.76	18.6	0.00	1.44	26	32	1.65	30.68	98.3	.52	6.47
27	15	.83	29.53	79.1	.64	5.46	28	23	1.14	17.69	41.2	.47	3.10
29	15	2.92	16.18	48.4	.04	3.54	30	9	1.29	16.23	49.7	.10	3.38
31	15	1.61	21.11	68.2	0.00	4.54	32	8	2.85	34.28	113.9	0.00	7.54
33	10	.36	6.30	24.6	0.00	1.52	34	22	1.33	25.03	99.7	.38	6.11
35	15	1.05	24.27	56.5	.52	4.18	36	16	.98	19.06	39.6	.26	3.10
37	15	3.70	21.00	60.1	.10	4.47	38	18	1.13	23.44	91.5	.12	5.63
39	15	1.15	23.84	58.1	.65	4.23	40	19	1.23	21.95	44.9	.28	3.55
41	10	1.20	6.54	19.8	0.00	1.45	42	25	1.83	34.30	108.6	.49	7.18
43	15	.87	28.73	77.3	.72	5.34	44	28	1.37	19.32	44.2	.51	3.37
45	10	1.74	6.12	20.6	0.00	1.52	46	15	2.47	33.47	117.9	.08	7.61
47	15	1.13	23.59	57.1	.24	4.17	48	25	1.00	30.00	85.4	.35	5.79
49	16	.81	27.75	76.6	.71	5.24	50	18	.79	17.48	40.6	.55	3.01
51	16	3.02	14.60	48.5	.09	3.46	52	10	1.66	19.86	67.2	.13	4.42
53	10	.42	6.72	23.1	.06	1.49	54	38	1.20	26.90	94.6	.61	6.00
55	15	.74	23.53	75.8	.79	4.91	56	35	1.02	16.36	49.6	.59	3.35
57	10	1.44	7.26	23.8	0.00	1.70	58	18	2.69	32.80	108.2	.13	7.18
59	15	1.03	24.70	57.1	.14	4.23	60	21	.99	30.11	91.0	.37	6.03
61	15	.81	27.79	74.2	.71	5.14	62	14	.79	14.94	40.1	.61	2.82
63	15	2.66	16.25	47.3	.09	3.47	64	13	1.57	23.26	62.4	.10	4.43
65	12	.50	7.00	18.9	0.00	1.34							
BAG		1.23	24.00	63.8	.45	4.50							
INTEG		1.33	25.36	73.0	.47	4.99							
0KPH		.25	6.08	15.8	.01	1.12	8KPH		1.35	35.89	87.0	.07	6.30
16KPH		.81	29.77	82.2	.07	5.61	24KPH		.61	21.25	58.3	.05	3.99
48KPH		1.19	32.15	90.9	.05	4.06	72KPH		.69	18.06	51.4	.36	3.50
97KPH		.67	26.27	70.0	.59	4.84							

APPENDIX F

LISTING OF MODAL EMISSIONS RESULTS
ON INDIVIDUAL VEHICLES

LOS ANGELES

EXHAUST EMISSIONS IN GRAMS PER KM(PER MIN AT IDLE)
FUEL CONSUMPTION IN LITERS PER 100 KMS(PER 100 MIN AT IDLE)

VEH NO.	YR	MAKE	MODEL	CCD
88	77	YAMA	XS650	653

MODE	T,SEC	HC	CO	CO2	NOX	FUEL CON	MODE	T,SEC	HC	CO	CO2	NOX	FUEL CON
1	10	.56	9.17	28.6	0.00	1.91	2	12	1.61	26.46	117.0	.10	6.98
3	15	1.06	13.96	57.2	.72	3.52	4	16	1.04	17.92	59.2	.24	3.87
5	10	.90	5.58	18.1	.06	1.27	6	8	4.05	44.32	113.5	0.00	8.36
7	15	1.54	18.54	70.3	.18	4.45	8	11	.76	17.62	76.5	.08	4.55
9	15	.72	15.02	56.7	.43	3.52	10	13	.85	20.94	78.5	.17	4.87
11	15	1.04	16.33	58.3	.81	3.72	12	12	.91	10.62	38.7	.57	2.49
13	15	1.34	12.83	43.7	.14	2.90	14	17	1.03	28.48	95.6	.42	6.13
15	15	.97	12.61	78.9	1.24	4.34	16	12	.74	7.10	48.3	1.62	2.64
17	15	1.01	13.14	56.2	.45	3.41	18	14	.93	14.14	94.4	1.02	5.10
19	16	.83	12.55	79.1	1.65	4.33	20	30	.80	11.90	54.6	1.15	3.23
21	15	.90	16.09	65.8	.09	4.01	22	26	1.10	14.63	102.9	1.24	5.52
23	15	.81	11.01	80.0	1.93	4.26	24	21	.94	10.15	49.1	1.47	2.90
25	10	.54	5.70	23.6	.06	1.46	26	32	1.22	16.56	105.1	1.37	5.76
27	15	.86	14.93	78.0	1.56	4.44	28	23	.79	11.81	47.9	1.08	2.94
29	15	.57	12.21	48.1	.09	2.95	30	9	.61	12.57	47.5	.10	2.95
31	15	.84	17.38	59.6	.09	3.82	32	8	1.61	23.87	98.1	0.00	6.00
33	10	.24	4.74	21.2	.06	1.25	34	22	1.10	16.55	98.4	.76	5.45
35	15	.88	10.26	61.1	1.50	3.41	36	16	.89	9.91	42.0	.84	2.58
37	15	1.85	17.68	62.5	.18	4.10	38	18	.81	14.35	94.6	.35	5.11
39	15	.95	11.15	61.5	1.57	3.50	40	19	1.11	13.06	56.1	.93	3.42
41	10	.30	4.80	24.8	.06	1.42	42	25	1.55	28.42	117.4	.80	7.12
43	15	1.00	16.04	77.6	1.70	4.52	44	28	1.09	13.71	46.5	.94	3.05
45	10	1.38	6.72	22.0	.06	1.58	46	15	1.72	24.36	96.6	.15	5.99
47	15	.87	16.11	56.5	.53	3.61	48	25	.98	18.83	89.7	.71	5.22
49	16	.86	14.34	78.3	1.60	4.42	50	18	.77	9.92	43.3	1.22	2.62
51	16	1.08	13.57	44.7	.13	2.96	52	10	1.02	19.35	69.4	.12	4.39
53	10	.36	6.06	26.4	.06	1.58	54	38	1.15	15.23	100.6	1.42	5.47
55	15	.84	12.97	79.0	1.58	4.35	56	35	.89	11.74	53.9	1.17	3.21
57	10	.30	5.52	24.5	.06	1.46	58	18	1.22	24.83	98.0	.12	6.01
59	15	.86	17.48	56.7	.43	3.71	60	21	1.07	23.55	93.6	.57	5.72
61	15	.91	17.07	77.0	1.28	4.55	62	14	.81	10.44	38.8	1.19	2.46
63	15	2.17	11.59	39.8	.19	2.77	64	13	1.73	17.55	64.8	.20	4.17
65	12	.40	5.45	21.5	.05	1.34							
BAG		1.05	13.46	67.0	1.07	3.90							
INTEG		1.10	13.59	76.4	1.12	4.32							
0KPH		.33	6.48	11.9	.01	.99	8KPH		1.34	38.73	118.3	.08	7.82
16KPH		.76	22.44	69.7	.05	4.58	24KPH		.49	14.15	50.4	.04	3.16
48KPH		.75	20.78	42.8	.07	3.32	72KPH		.59	4.24	57.9	1.05	2.83
97KPH		.85	17.47	71.0	1.00	4.31							

APPENDIX F

LISTING OF MODAL EMISSIONS RESULTS
ON INDIVIDUAL VEHICLES

LOS ANGELES

EXHAUST EMISSIONS IN GRAMS PER KM(PER MIN AT IDLE)
FUEL CONSUMPTION IN LITERS PER 100 KMS(PER 100 MIN AT IDLE)

VEH NO.	YR	MAKE	MODEL	CCD
89	77	YAMA	XT500	498

MODE	T,SEC	HC	CO	CO2	NOX	FUEL CON	MODE	T,SEC	HC	CO	CO2	NOX	FUEL CON
1	10	.72	16.06	22.9	0.00	2.15	2	12	2.65	63.29	84.6	0.00	8.21
3	15	1.37	31.03	53.1	.09	4.53	4	16	1.66	35.75	57.5	.08	5.07
5	10	.72	12.48	18.8	0.00	1.74	6	8	3.43	84.06	116.6	0.00	11.07
7	15	1.90	43.20	63.4	.10	5.86	8	11	1.31	42.45	62.2	0.00	5.68
9	15	1.13	31.33	52.4	.09	4.49	10	13	.99	33.91	58.4	.04	4.90
11	15	.95	27.24	49.6	.13	4.07	12	12	.78	16.34	39.2	.14	2.87
13	15	.53	17.15	41.2	.04	2.98	14	17	.73	33.27	79.9	.16	5.74
15	15	.83	27.01	77.8	.49	5.24	16	12	.73	17.92	51.2	.49	3.48
17	15	.78	21.08	49.0	.13	3.61	18	14	.80	32.11	73.1	.17	5.38
19	16	.71	24.50	77.8	.48	5.06	20	30	.70	16.51	51.4	.37	3.39
21	15	1.17	33.92	55.9	0.00	4.82	22	26	1.28	39.21	76.5	.21	6.06
23	15	.71	24.16	76.9	.49	5.00	24	21	.85	18.89	51.8	.47	3.59
25	10	.36	11.70	20.7	.06	1.72	26	32	1.25	41.96	77.5	.23	6.29
27	15	.73	24.43	76.6	.49	5.00	28	23	.62	17.94	47.3	.37	3.30
29	15	.73	19.01	39.9	.04	3.07	30	9	.64	17.41	43.5	.10	3.11
31	15	1.00	34.00	57.0	.10	4.85	32	8	1.72	59.31	96.2	0.00	8.31
33	10	.36	12.48	20.5	0.00	1.76	34	22	1.45	42.90	69.4	.10	6.03
35	15	.75	23.38	49.7	.23	3.79	36	16	.71	17.00	41.6	.13	3.01
37	15	1.28	34.75	55.0	0.00	4.85	38	18	.95	38.96	63.6	.03	5.45
39	15	.85	25.86	49.0	.16	3.94	40	19	1.00	23.54	44.0	.14	3.59
41	10	.48	13.02	20.2	0.00	1.80	42	25	1.56	46.34	80.9	.20	6.77
43	15	.74	24.35	77.3	.47	5.03	44	28	.81	19.30	53.8	.47	3.70
45	10	.54	12.90	20.0	0.00	1.79	46	15	1.76	53.04	78.6	.08	7.15
47	15	.88	28.82	51.4	.09	4.24	48	25	.87	35.24	67.5	.13	5.36
49	16	.69	24.46	76.5	.48	5.00	50	18	.62	16.19	47.8	.49	3.21
51	16	.55	17.69	39.9	.04	2.96	52	10	.82	22.73	59.5	.13	4.17
53	10	.36	11.82	20.3	.06	1.71	54	38	1.10	38.15	74.6	.24	5.89
55	15	.66	23.46	76.8	.54	4.94	56	35	.87	23.18	51.7	.36	3.88
57	10	.54	13.50	19.9	0.00	1.83	58	18	1.72	50.48	76.8	.06	6.89
59	15	.93	30.04	50.9	.09	4.31	60	21	.78	36.56	71.2	.13	5.59
61	15	.71	25.18	75.6	.49	5.01	62	14	.65	14.98	47.0	.54	3.10
63	15	.54	16.55	40.7	.09	2.92	64	13	.71	21.93	55.5	.10	3.93
65	12	.35	11.55	19.3	0.00	1.64							
BAG		.89	29.27	55.6	.26	4.45							
INTEG		.96	29.54	64.8	.27	4.87							
0KPH		.62	10.65	10.5	.01	1.25	8KPH		2.49	59.19	73.3	.05	7.43
16KPH		3.30	58.10	58.9	.06	6.85	24KPH		1.39	37.88	45.4	.05	4.66
48KPH		1.08	25.70	42.0	.06	3.66	72KPH		.64	20.94	43.0	.12	3.32
97KPH		.56	22.59	71.0	.44	4.62							

APPENDIX F

LISTING OF MODAL EMISSIONS RESULTS
ON INDIVIDUAL VEHICLES

LOS ANGELES

EXHAUST EMISSIONS IN GRAMS PER KM(PER MIN AT IDLE)
FUEL CONSUMPTION IN LITERS PER 100 KMS(PER 100 MIN AT IDLE)

VEH NO.	YR	MAKE	MODEL	CCD
90	77	YAMA	XT500	498

MODE	T,SEC	HC	CO	CO2	NOX	FUEL CON	MODE	T,SEC	HC	CO	CO2	NOX	FUEL CON
1	10	.28	14.92	31.7	0.00	2.39	2	12	.87	51.97	97.5	0.00	7.76
3	15	.81	35.22	50.5	.10	4.62	4	16	1.63	41.98	51.7	.08	5.24
5	10	.84	10.32	18.8	0.00	1.61	6	8	2.25	66.77	127.1	0.00	10.20
7	15	1.25	41.25	67.2	0.00	5.80	8	11	.90	42.27	67.0	0.00	5.81
9	15	.81	34.16	50.6	.10	4.56	10	13	.78	39.30	58.0	.04	5.21
11	15	.57	29.45	48.2	.13	4.11	12	12	.50	21.60	33.9	.10	2.96
13	15	.85	23.61	37.6	.05	3.30	14	17	.57	40.78	78.3	.11	6.15
15	15	.58	30.40	66.5	.35	4.95	16	12	.53	21.72	45.5	.32	3.47
17	15	.60	25.67	46.7	.06	3.79	18	14	.58	39.17	69.2	.12	5.66
19	16	.54	30.14	66.7	.32	4.94	20	30	.58	22.46	44.0	.20	3.46
21	15	1.11	40.10	64.8	0.00	5.60	22	26	.73	43.47	74.6	.15	6.19
23	15	.53	30.55	66.2	.32	4.94	24	21	.75	22.15	43.7	.26	3.45
25	10	.66	9.78	20.3	0.00	1.61	26	32	.76	43.31	77.3	.16	6.30
27	15	.53	30.53	66.5	.32	4.95	28	23	.47	21.07	42.3	.21	3.28
29	15	.65	23.18	38.9	0.00	3.30	30	9	.54	21.75	39.8	0.00	3.23
31	15	.90	31.21	59.9	0.00	4.77	32	8	1.48	62.59	100.0	0.00	8.66
33	10	.30	10.68	19.9	0.00	1.61	34	22	.73	40.84	73.3	.10	5.96
35	15	.54	28.31	47.1	.16	3.98	36	16	.60	24.02	36.6	.09	3.25
37	15	1.31	40.70	63.7	0.00	5.62	38	18	.86	43.74	68.5	.04	5.97
39	15	.57	28.98	47.9	.16	4.06	40	19	.78	25.44	41.8	.09	3.59
41	10	.54	10.02	19.7	0.00	1.58	42	25	.86	47.81	83.9	.16	6.90
43	15	.55	30.43	66.5	.32	4.95	44	28	.71	24.28	45.0	.22	3.64
45	10	.48	10.08	19.6	0.00	1.58	46	15	1.04	47.30	88.8	0.00	7.10
47	15	.71	33.95	49.4	.10	4.48	48	25	.74	41.34	66.2	.10	5.69
49	16	.52	29.92	66.7	.33	4.92	50	18	.46	19.51	40.5	.24	3.10
51	16	.99	21.55	38.4	.04	3.22	52	10	.83	28.75	51.9	.13	4.25
53	10	.30	9.84	20.0	0.00	1.55	54	38	.67	41.11	73.4	.15	5.98
55	15	.50	30.10	66.4	.32	4.92	56	35	.60	25.96	48.9	.21	3.91
57	10	.30	10.74	19.7	0.00	1.60	58	18	1.05	47.88	83.5	.07	6.91
59	15	.75	35.45	48.4	.10	4.54	60	21	.73	43.02	70.4	.11	5.98
61	15	.55	31.03	66.6	.32	4.99	62	14	.49	19.71	38.5	.28	3.03
63	15	.95	20.55	39.1	.05	3.17	64	13	.77	27.55	51.2	.11	4.13
65	12	.35	9.60	19.3	0.00	1.51							
BAG		.64	31.58	52.3	.18	4.43							
INTEG		.72	33.44	61.1	.18	4.94							
0KPH		.16	6.54	12.7	.01	1.00	8KPH		.96	36.43	81.4	.09	6.04
16KPH		2.44	60.63	62.8	.06	7.07	24KPH		1.15	40.03	43.7	.05	4.70
48KPH		.92	36.88	37.7	.05	4.20	72KPH		.49	29.81	40.5	.09	3.79
97KPH		.49	29.91	61.2	.30	4.68							

APPENDIX F

LISTING OF MODAL EMISSIONS RESULTS
ON INDIVIDUAL VEHICLES

LOS ANGELES

EXHAUST EMISSIONS IN GRAMS PER KM(PER MIN AT IDLE)
FUEL CONSUMPTION IN LITERS PER 100 KMS(PER 100 MIN AT IDLE)

VEH NO.	YR	MAKE	MODEL	CCD
91	77	YAMA	XT500	498

MODE	T,SEC	HC	CO	CO2	NOX	FUEL CON	MODE	T,SEC	HC	CO	CO2	NOX	FUEL CON
1	10	.28	9.64	26.0	0.00	1.79	2	12	.80	42.82	98.6	0.00	7.18
3	15	.68	26.40	53.5	.14	4.14	4	16	.85	28.80	53.4	.08	4.32
5	10	.78	6.72	16.9	0.00	1.28	6	8	2.05	55.88	122.9	0.00	9.26
7	15	1.48	36.83	65.5	.09	5.46	8	11	1.04	41.13	67.2	0.00	5.76
9	15	.69	27.16	52.4	.09	4.15	10	13	.58	31.75	63.2	.04	4.90
11	15	.56	26.63	49.3	.19	3.96	12	12	.49	18.57	37.4	.14	2.91
13	15	.59	21.87	39.7	.04	3.24	14	17	.56	40.48	81.3	.11	6.26
15	15	.59	27.94	69.1	.44	4.90	16	12	.53	19.82	43.9	.42	3.27
17	15	.46	21.78	49.2	.09	3.62	18	14	.51	35.24	74.1	.15	5.59
19	16	.55	27.59	71.3	.46	4.96	20	30	.67	18.28	40.6	.27	3.05
21	15	2.25	27.45	55.9	0.00	4.53	22	26	.76	40.39	78.1	.15	6.14
23	15	.59	27.87	69.9	.46	4.93	24	21	.70	19.00	41.2	.38	3.13
25	10	.90	6.90	17.4	0.00	1.33	26	32	.79	39.29	81.7	.18	6.22
27	15	.59	27.65	70.6	.46	4.94	28	23	.48	18.61	41.2	.29	3.07
29	15	1.47	25.12	41.8	.04	3.67	30	9	.86	22.93	36.7	.10	3.22
31	15	1.70	33.10	63.9	0.00	5.17	32	8	2.69	55.76	95.4	0.00	8.17
33	10	.36	8.04	17.9	0.00	1.35	34	22	.87	38.32	76.4	.10	5.94
35	15	.52	25.44	48.8	.19	3.86	36	16	.49	18.39	35.3	.13	2.80
37	15	1.74	35.04	62.7	0.00	5.26	38	18	.84	40.36	71.1	.04	5.85
39	15	.59	27.37	48.6	.19	3.99	40	19	.64	23.98	43.1	.14	3.53
41	10	.30	7.98	17.2	0.00	1.31	42	25	.78	44.15	87.8	.18	6.81
43	15	.57	27.43	70.9	.49	4.94	44	28	.67	22.24	45.0	.33	3.50
45	10	.36	9.84	21.7	0.00	1.63	46	15	1.47	48.52	90.1	0.00	7.29
47	15	.69	27.12	52.5	.14	4.15	48	25	.56	35.71	71.2	.15	5.51
49	16	.55	26.75	70.8	.48	4.89	50	18	.47	18.48	40.2	.39	3.02
51	16	1.10	24.42	40.9	.04	3.53	52	10	1.09	29.17	45.1	.13	4.03
53	10	.42	7.98	17.2	0.00	1.33	54	38	.72	37.57	77.3	.20	5.91
55	15	.54	26.74	69.8	.46	4.84	56	35	.73	20.28	43.7	.28	3.32
57	10	.66	7.74	18.4	0.00	1.39	58	18	1.11	38.39	86.2	.01	6.40
59	15	.68	28.12	51.6	.02	4.18	60	21	.58	37.64	74.9	.06	5.80
61	15	.54	27.33	70.6	.20	4.92	62	14	.51	18.09	38.1	.12	2.91
63	15	.68	19.95	40.8	.01	3.17	64	13	.65	24.23	49.6	.01	3.83
65	12	.35	7.35	17.8	0.00	1.30							
BAG		.66	28.77	56.4	.25	4.42							
INTEG		.74	29.73	62.8	.23	4.77							
0KPH		.18	6.04	10.5	.01	.88	8KPH		3.08	91.64	102.1	.08	10.91
16KPH		2.46	57.14	62.5	.06	6.83	24KPH		1.25	41.85	44.4	.04	4.87
48KPH		.60	32.37	41.0	.05	4.00	72KPH		.51	25.67	42.3	.11	3.59
97KPH		.50	25.64	68.0	.43	4.69							

APPENDIX F

LISTING OF MODAL EMISSIONS RESULTS
ON INDIVIDUAL VEHICLES

LOS ANGELES

EXHAUST EMISSIONS IN GRAMS PER KM(PER MIN AT IDLE)
FUEL CONSUMPTION IN LITERS PER 100 KMS(PER 100 MIN AT IDLE)

VEH NO.	YR	MAKE	MODEL	CCD
98	77	YAMA	XS360	347

MODE	T,SEC	HC	CO	CO2	NOX	FUEL CON	MODE	T,SEC	HC	CO	CO2	NOX	FUEL CON
1	10	.17	1.47	26.8	0.00	1.26	2	12	.62	17.60	99.4	0.00	5.50
3	15	1.09	23.23	46.4	.14	3.68	4	16	1.35	31.77	48.5	.08	4.38
5	10	.42	5.64	17.3	0.00	1.17	6	8	1.61	18.38	135.8	0.00	7.24
7	15	.91	15.91	72.3	0.00	4.27	8	11	.61	19.21	69.0	.08	4.31
9	15	.83	22.69	45.2	.09	3.56	10	13	.92	33.04	51.4	.04	4.53
11	15	1.08	25.08	47.4	.09	3.85	12	12	.77	20.28	34.1	.09	2.92
13	15	1.54	24.12	39.5	0.00	3.51	14	17	1.16	41.90	65.2	.05	5.75
15	15	.91	23.68	73.7	.32	4.85	16	12	.73	18.07	48.1	.31	3.36
17	15	1.78	27.01	41.9	.06	3.84	18	14	.84	32.65	64.9	.06	5.07
19	16	.73	22.92	70.5	.32	4.64	20	30	.91	20.65	42.4	.18	3.32
21	15	2.05	12.15	45.2	0.00	3.02	22	26	1.02	38.79	67.9	.06	5.63
23	15	.79	23.95	68.2	.29	4.62	24	21	.96	20.53	44.4	.28	3.40
25	10	1.44	6.60	17.3	0.00	1.38	26	32	1.44	34.14	71.4	.10	5.53
27	15	.78	24.92	67.2	.29	4.64	28	23	.74	19.68	41.5	.18	3.19
29	15	1.78	15.44	35.4	0.00	2.79	30	9	.84	13.68	35.9	0.00	2.56
31	15	.90	15.10	54.3	0.00	3.45	32	8	1.85	20.00	115.2	0.00	6.50
33	10	.24	2.34	20.9	0.00	1.08	34	22	1.12	27.85	72.3	.10	5.10
35	15	1.22	24.33	46.2	.13	3.77	36	16	.82	20.00	33.7	.08	2.89
37	15	1.90	16.70	39.7	0.00	3.07	38	18	.76	26.84	64.5	.04	4.65
39	15	.95	25.77	46.3	.09	3.83	40	19	1.03	23.70	39.7	.09	3.42
41	10	.84	6.30	17.0	0.00	1.26	42	25	1.44	39.62	76.7	.09	6.12
43	15	.86	24.83	68.7	.27	4.71	44	28	1.05	21.34	45.8	.21	3.53
45	10	1.14	5.64	19.1	0.00	1.35	46	15	1.73	25.53	85.2	0.00	5.58
47	15	1.03	21.78	45.9	.09	3.56	48	25	.92	32.72	62.0	.07	4.96
49	16	.78	22.75	69.6	.32	4.60	50	18	.68	17.36	41.9	.26	3.04
51	16	1.66	15.87	35.3	.04	2.79	52	10	1.35	20.81	56.4	.13	3.98
53	10	.36	5.82	19.1	0.00	1.25	54	38	1.14	31.59	69.8	.10	5.25
55	15	.76	22.94	68.0	.29	4.54	56	35	1.22	21.09	46.1	.20	3.54
57	10	.90	4.38	20.2	0.00	1.28	58	18	1.45	23.68	83.1	0.00	5.33
59	15	.99	22.97	44.7	.09	3.58	60	21	1.05	37.89	61.1	.07	5.29
61	15	.83	23.25	69.3	.29	4.63	62	14	.71	15.99	40.5	.27	2.90
63	15	1.88	19.70	40.9	.04	3.32	64	13	1.66	29.79	50.1	.10	4.36
65	12	.45	6.10	16.4	0.00	1.17							
BAG		1.03	26.16	52.0	.16	4.11							
INTEG		1.11	25.90	59.0	.16	4.40							
0KPH		.05	1.28	16.8	.01	.81	8KPH		.36	1.05	141.9	.12	6.17
16KPH		.50	13.52	78.3	.06	4.31	24KPH		.49	13.79	54.7	.05	3.32
48KPH		.90	28.28	33.0	.04	3.42	72KPH		.59	21.23	42.7	.09	3.32
97KPH		.66	22.15	63.8	.26	4.29							

APPENDIX F

LISTING OF MODAL EMISSIONS RESULTS
ON INDIVIDUAL VEHICLES

LOS ANGELES

EXHAUST EMISSIONS IN GRAMS PER KM(PER MIN AT IDLE)
FUEL CONSUMPTION IN LITERS PER 100 KMS(PER 100 MIN AT IDLE)

VEH NO.	YR	MAKE	MODEL	CCD
103	77	KAWA	KZ1000	1015

MODE	T,SEC	HC	CO	CO2	NOX	FUEL CON	MODE	T,SEC	HC	CO	CO2	NOX	FUEL CON
1	10	.57	6.00	30.0	.06	1.76	2	12	3.47	32.51	162.0	.10	9.56
3	15	1.59	11.78	82.0	.84	4.50	4	16	1.68	21.98	85.2	.25	5.33
5	10	1.20	5.76	24.5	.06	1.59	6	8	8.98	36.84	163.5	0.00	10.66
7	15	4.77	33.40	119.4	.10	7.98	8	11	2.73	37.18	113.7	.09	7.71
9	15	1.44	15.16	82.6	.40	4.73	10	13	1.14	17.59	108.6	.18	5.96
11	15	.80	7.62	90.4	1.19	4.47	12	12	.69	8.38	59.0	.49	3.17
13	15	2.58	20.58	66.1	.10	4.55	14	17	1.35	31.54	124.7	.66	7.61
15	15	1.07	10.22	106.7	1.72	5.38	16	12	.76	4.16	71.4	2.10	3.43
17	15	1.23	14.15	79.3	.33	4.50	18	14	.82	14.48	119.7	.73	6.19
19	16	.91	6.41	109.7	2.26	5.23	20	30	.70	6.77	66.6	1.29	3.39
21	15	9.05	31.11	99.5	.10	7.55	22	26	1.78	20.37	127.7	1.21	7.05
23	15	.97	5.39	108.2	2.34	5.11	24	21	.85	5.17	65.0	1.83	3.23
25	10	1.68	4.44	23.2	.06	1.51	26	32	2.48	13.93	138.6	1.59	7.18
27	15	.92	4.85	107.7	2.39	5.04	28	23	.68	5.04	64.5	1.47	3.18
29	15	3.68	18.54	63.9	.10	4.47	30	9	2.04	19.53	63.4	.11	4.29
31	15	5.47	30.42	105.2	.20	7.27	32	8	8.99	50.36	157.9	.36	11.33
33	10	1.02	7.14	26.5	.06	1.75	34	22	2.61	16.78	133.8	.88	7.18
35	15	.83	8.82	88.4	1.19	4.47	36	16	.85	9.51	60.6	.45	3.34
37	15	6.76	29.72	100.6	.20	7.20	38	18	2.56	24.85	123.9	.33	7.30
39	15	.96	8.58	88.3	1.46	4.47	40	19	.95	9.96	68.3	.57	3.71
41	10	1.62	5.10	23.1	.06	1.55	42	25	2.58	23.86	137.8	1.22	7.83
43	15	1.04	6.34	107.8	2.19	5.16	44	28	.94	6.11	65.8	1.53	3.34
45	10	2.34	4.56	22.6	.06	1.59	46	15	6.41	30.61	148.6	.17	9.26
47	15	1.59	13.32	80.8	.55	4.55	48	25	1.03	13.52	119.9	1.03	6.16
49	16	.93	6.08	107.7	2.40	5.13	50	18	.68	3.97	60.5	1.58	2.94
51	16	3.54	16.04	64.4	.14	4.30	52	10	2.56	22.10	84.1	.14	5.41
53	10	.78	6.00	25.8	.06	1.61	54	38	1.95	12.00	128.6	1.53	6.55
55	15	.89	4.67	108.3	2.39	5.05	56	35	1.11	6.89	70.2	1.34	3.61
57	10	2.58	4.62	23.1	.06	1.64	58	18	5.19	29.17	149.1	.21	9.02
59	15	1.49	14.66	80.5	.45	4.62	60	21	1.12	18.14	124.9	.93	6.69
61	15	.99	7.46	107.5	2.14	5.22	62	14	.69	2.71	58.0	1.95	2.75
63	15	3.33	15.85	64.0	.25	4.24	64	13	2.83	25.39	85.0	.21	5.71
65	12	1.20	5.50	19.0	.05	1.34							
BAG		1.73	13.03	95.3	1.11	5.17							
INTEG		1.76	13.29	100.5	1.23	5.42							
0KPH		.47	5.75	19.5	.01	1.28	8KPH		2.27	37.89	129.5	.08	8.37
16KPH		1.99	40.45	102.0	.06	7.33	24KPH		3.57	38.19	99.3	.07	7.28
48KPH		1.18	20.46	69.9	.08	4.51	72KPH		.56	8.46	86.2	.43	4.32
97KPH		.62	3.15	103.3	1.89	4.70							

APPENDIX F

LISTING OF MODAL EMISSIONS RESULTS
ON INDIVIDUAL VEHICLES

LOS ANGELES

EXHAUST EMISSIONS IN GRAMS PER KM(PER MIN AT IDLE)
FUEL CONSUMPTION IN LITERS PER 100 KMS(PER 100 MIN AT IDLE)

VEH NO.	YR	MAKE	MODEL	CCD
104	77	KAWA	KZ1000	1015

MODE	T,SEC	HC	CO	CO2	NOX	FUEL CON	MODE	T,SEC	HC	CO	CO2	NOX	FUEL CON
1	11	.22	7.30	34.3	.05	1.98	2	12	3.82	46.65	168.9	.10	10.85
3	15	1.54	21.57	85.3	.50	5.29	4	16	2.43	32.47	83.1	.08	6.05
5	10	2.58	9.60	28.7	0.00	2.22	6	8	8.98	87.00	197.8	0.00	15.48
7	15	3.78	52.88	125.6	.10	9.41	8	11	2.47	47.84	128.4	.09	9.02
9	15	1.44	25.70	84.0	.25	5.50	10	13	1.19	27.23	119.4	.23	7.08
11	15	1.23	14.98	96.8	.80	5.30	12	12	1.03	15.38	61.9	.29	3.81
13	15	2.63	30.91	76.3	.05	5.68	14	17	1.61	44.21	130.7	.60	8.76
15	15	1.47	21.35	107.7	.80	6.22	16	12	.94	11.30	69.6	.94	3.85
17	15	1.62	17.53	83.8	.23	4.97	18	14	1.19	23.08	124.3	.85	7.01
19	16	1.28	18.73	109.5	1.05	6.10	20	30	1.51	13.03	67.4	.63	3.95
21	15	10.24	58.75	120.0	0.00	10.44	22	26	2.22	30.95	137.2	.97	8.23
23	15	1.24	16.88	111.0	1.09	6.03	24	21	1.67	12.31	65.7	.82	3.85
25	10	2.94	9.54	31.1	0.00	2.36	26	32	2.38	28.39	146.0	1.16	8.45
27	15	1.22	16.21	110.5	1.12	5.96	28	23	1.21	11.86	66.1	.76	3.78
29	15	4.17	33.65	72.2	.05	5.90	30	9	1.93	33.15	67.5	.11	5.36
31	15	7.16	52.98	121.7	.10	9.71	32	8	7.19	79.86	174.1	0.00	13.75
33	10	1.26	10.86	32.9	0.00	2.30	34	22	2.83	27.27	150.0	.71	8.61
35	15	1.29	14.55	96.9	.83	5.28	36	16	1.38	13.97	59.3	.36	3.65
37	15	9.74	55.57	115.8	.10	9.98	38	18	2.40	32.98	136.4	.41	8.35
39	15	1.33	14.22	96.1	.93	5.23	40	19	2.10	17.63	67.4	.33	4.34
41	10	2.88	10.80	31.4	0.00	2.45	42	25	3.28	47.16	143.0	.75	9.70
43	15	1.42	18.47	108.6	.94	6.06	44	28	2.12	13.68	66.8	.73	4.05
45	10	2.94	10.50	30.1	.06	2.39	46	15	4.38	49.49	158.9	.17	10.69
47	15	1.49	23.71	83.2	.30	5.34	48	25	1.43	26.72	123.5	.83	7.25
49	16	1.33	20.43	108.3	.98	6.17	50	18	1.00	11.18	60.0	.76	3.44
51	16	4.01	26.67	74.0	.09	5.49	52	10	2.10	32.03	82.4	.14	5.95
53	10	2.46	10.14	30.2	.06	2.30	54	38	2.34	25.84	135.2	1.10	7.81
55	15	1.19	16.68	109.0	1.17	5.93	56	35	2.26	14.81	69.7	.66	4.27
57	10	2.76	11.88	31.9	0.00	2.53	58	18	5.05	48.39	159.6	.14	10.73
59	15	1.49	25.35	84.2	.20	5.49	60	21	1.55	33.52	128.7	.74	7.95
61	15	1.39	19.94	108.5	.94	6.15	62	14	.96	9.49	56.6	.89	3.18
63	15	4.13	29.57	73.1	.10	5.66	64	13	2.31	34.00	80.4	.10	6.02
65	12	2.50	8.45	21.4	.05	1.82							
BAG		2.18	22.24	97.6	.64	5.95							
INTEG		2.23	24.85	105.4	.69	6.46							
0KPH		.79	10.70	19.4	.01	1.65	8KPH		4.07	72.44	119.5	.07	10.50
16KPH		4.09	68.58	105.3	.07	9.64	24KPH		4.20	64.65	97.1	.06	9.04
48KPH		.95	31.11	72.1	.06	5.29	72KPH		1.05	14.39	92.4	.39	5.05
97KPH		.90	11.66	107.3	1.07	5.48							

APPENDIX F

LISTING OF MODAL EMISSIONS RESULTS
ON INDIVIDUAL VEHICLES

LOS ANGELES

EXHAUST EMISSIONS IN GRAMS PER KM(PER MIN AT IDLE)
FUEL CONSUMPTION IN LITERS PER 100 KMS(PER 100 MIN AT IDLE)

VEH NO.	YR	MAKE	MODEL	CCD
105	77	KAWA	KZ1000	1015

MODE	T.SEC	HC	CO	CO2	NOX	FUEL CON	MODE	T.SEC	HC	CO	CO2	NOX	FUEL CON
1	10	1.16	11.61	50.5	0.00	3.09	2	12	5.30	86.70	130.5	0.00	12.09
3	15	3.03	39.85	63.1	.09	5.77	4	16	7.09	50.90	87.6	0.00	8.11
5	10	2.70	10.62	29.9	0.00	2.35	6	8	10.00	86.28	186.6	0.00	15.09
7	15	7.15	57.68	104.4	0.00	9.29	8	11	6.49	73.76	91.1	0.00	9.71
9	15	3.28	41.91	62.5	.04	5.92	10	13	3.13	64.26	77.6	.04	8.04
11	15	2.21	53.66	56.8	.09	6.32	12	12	2.18	34.22	43.4	.04	4.44
13	15	5.07	35.71	62.2	.04	5.73	14	17	2.98	62.28	107.2	.19	9.15
15	15	2.54	60.79	69.5	.32	7.38	16	12	2.53	49.29	53.3	.14	5.92
17	15	2.38	49.47	56.2	.06	6.03	18	14	2.38	59.97	91.4	.14	8.24
19	16	2.47	60.74	70.1	.25	7.39	20	30	3.09	41.47	51.6	.09	5.40
21	15	11.88	51.18	100.2	0.00	9.31	22	26	3.75	63.88	100.3	.21	9.07
23	15	2.52	60.86	70.3	.22	7.42	24	21	3.87	41.54	53.1	.13	5.57
25	10	3.06	9.36	32.2	0.00	2.41	26	32	3.05	65.21	102.9	.22	9.17
27	15	2.51	61.67	70.2	.19	7.47	28	23	2.62	41.50	48.2	.10	5.19
29	15	5.07	33.16	62.6	.05	5.58	30	9	3.55	40.22	65.9	.11	5.99
31	15	9.68	49.27	101.7	0.00	8.95	32	8	17.39	93.91	180.9	0.00	16.36
33	10	2.22	10.02	29.6	0.00	2.23	34	22	3.61	73.44	97.8	.06	9.58
35	15	2.21	52.57	57.4	.09	6.27	36	16	3.22	32.16	48.5	.09	4.66
37	15	12.60	48.33	102.7	0.00	9.32	38	18	4.68	70.62	93.6	.03	9.36
39	15	2.43	52.10	57.5	.13	6.27	40	19	4.76	34.35	53.2	.10	5.22
41	10	3.72	7.86	28.7	0.00	2.25	42	25	3.43	64.78	116.9	.27	9.79
43	15	2.58	60.86	70.7	.27	7.44	44	28	4.42	37.80	47.7	.12	5.17
45	10	3.54	9.00	32.0	0.00	2.45	46	15	5.76	80.23	112.9	0.00	10.97
47	15	3.10	40.54	63.4	.04	5.84	48	25	2.81	61.39	89.4	.15	8.31
49	16	2.52	61.08	70.4	.25	7.44	50	18	2.66	35.24	48.7	.10	4.46
51	16	5.44	33.72	62.8	.04	5.67	52	10	4.84	44.54	75.8	.15	6.87
53	10	2.64	9.36	29.5	0.00	2.24	54	38	3.08	65.93	95.1	.17	8.89
55	15	2.52	61.73	69.7	.19	7.45	56	35	4.24	40.15	50.3	.09	5.41
57	10	3.00	8.52	30.1	0.00	2.26	58	18	5.16	77.05	111.0	.06	10.60
59	15	2.85	39.65	64.5	.04	5.79	60	21	2.78	60.73	95.9	.07	8.54
61	15	2.51	60.24	71.5	.29	7.43	62	14	2.51	36.01	38.7	.13	4.40
63	15	5.87	32.38	60.6	.04	5.55	64	13	5.51	47.24	77.9	.11	7.23
65	12	3.20	8.85	27.6	0.00	2.20							
BAG		3.56	54.56	75.1	.16	7.34							
INTEG		3.73	54.78	77.3	.14	7.47							
0KPH		1.45	6.27	23.6	.01	1.62	8KPH		17.69	134.75	248.0	.15	22.00
16KPH		5.42	58.87	119.7	.07	9.78	24KPH		9.58	61.27	92.2	.06	9.33
48KPH		2.52	37.44	55.5	.04	5.22	72KPH		2.22	52.92	55.7	.07	6.22
97KPH		2.38	60.95	67.3	.15	7.28							

APPENDIX F

LISTING OF MODAL EMISSIONS RESULTS
ON INDIVIDUAL VEHICLES

LOS ANGELES

EXHAUST EMISSIONS IN GRAMS PER KM(PER MIN AT IDLE)
FUEL CONSUMPTION IN LITERS PER 100 KMS(PER 100 MIN AT IDLE)

VEH NO.	YR	MAKE	MODEL	CCD
106	77	KAWA	KZ750	745

MODE	T,SEC	HC	CO	CO2	NOX	FUEL CON	MODE	T,SEC	HC	CO	CO2	NOX	FUEL CON
1	12	.34	2.21	36.4	.05	1.75	2	12	.95	22.55	151.0	.10	8.08
3	15	1.03	19.75	71.3	.84	4.50	4	16	1.42	30.26	85.3	.26	5.86
5	10	.66	4.50	29.3	.06	1.64	6	8	2.05	21.17	190.0	0.00	9.80
7	15	1.42	38.36	104.4	.10	7.22	8	11	1.04	33.82	104.4	.08	6.86
9	15	1.08	22.22	70.0	.59	4.62	10	13	.85	21.44	96.5	.31	5.67
11	15	.72	12.49	78.8	1.08	4.30	12	12	.63	13.67	53.1	.49	3.27
13	15	.99	21.78	66.9	.14	4.45	14	17	.85	22.22	118.1	.82	6.64
15	15	.59	9.20	95.9	1.70	4.79	16	12	.41	5.69	66.9	1.57	3.29
17	15	.59	12.24	77.0	.46	4.18	18	14	.63	14.08	107.3	.90	5.61
19	16	.53	8.33	95.7	1.73	4.71	20	30	.52	6.71	65.0	1.08	3.29
21	15	3.36	27.44	109.1	.10	6.95	22	26	1.00	18.19	118.0	1.41	6.39
23	15	.51	7.82	96.1	1.73	4.69	24	21	.66	7.42	65.6	1.46	3.38
25	10	1.08	3.84	30.5	.06	1.70	26	32	1.03	15.69	122.4	1.39	6.41
27	15	.54	8.35	95.7	1.76	4.71	28	23	.45	7.29	62.0	1.12	3.19
29	15	1.08	19.75	66.7	.09	4.31	30	9	.95	23.08	66.7	.10	4.52
31	15	2.25	29.50	103.0	.09	6.67	32	8	3.07	61.92	170.0	.38	11.82
33	10	.42	6.84	30.0	.06	1.79	34	22	1.00	16.77	122.7	.83	6.49
35	15	.69	10.62	79.9	1.05	4.21	36	16	.67	12.98	60.2	.54	3.53
37	15	2.98	27.62	108.1	.10	6.86	38	18	1.09	22.46	116.9	.48	6.64
39	15	.75	10.36	81.0	1.31	4.25	40	19	.94	16.46	69.2	.59	4.18
41	10	.78	3.66	29.7	.06	1.62	42	25	1.16	19.21	131.3	1.29	7.04
43	15	.59	8.78	95.8	1.76	4.75	44	28	.72	7.71	68.1	1.27	3.52
45	10	1.08	2.94	30.8	.06	1.66	46	15	1.66	23.25	147.9	.25	8.09
47	15	1.17	21.91	70.0	.15	4.61	48	25	.88	18.31	104.6	1.00	5.81
49	16	.55	9.51	95.2	1.69	4.77	50	18	.47	6.25	60.1	1.30	3.05
51	16	1.61	35.44	87.1	.29	6.31	52	10	1.61	35.44	87.1	.29	6.31
53	10	.60	6.00	27.9	.06	1.67	54	38	.98	14.00	116.8	1.42	6.05
55	15	.47	6.26	98.4	.77	4.68	56	35	.75	6.34	69.2	1.19	3.48
57	10	1.02	2.82	30.7	.06	1.64	58	18	1.55	27.09	130.5	.13	7.59
59	15	1.08	21.73	69.0	.59	4.55	60	21	.85	18.53	122.5	.99	6.58
61	15	.59	8.41	97.0	1.78	4.78	62	14	.44	4.77	56.9	1.63	2.81
63	15	1.52	18.37	64.8	.19	4.20	64	13	1.64	31.20	84.6	.21	5.92
65	12	.75	4.10	28.4	.05	1.59							
BAG		.89	14.62	92.0	1.11	5.02							
INTEG		.92	14.53	94.2	1.09	5.12							
0KPH		.21	3.79	24.7	.01	1.34	8KPH		1.41	24.52	164.1	.13	8.83
16KPH		.90	30.86	118.6	.10	7.25	24KPH		1.06	44.16	93.4	.08	7.09
48KPH		.21	22.47	66.3	.15	4.44	72KPH		.34	6.81	83.1	.63	4.05
97KPH		.28	4.64	95.8	1.61	4.43							

APPENDIX F

LISTING OF MODAL EMISSIONS RESULTS
ON INDIVIDUAL VEHICLES

LOS ANGELES

EXHAUST EMISSIONS IN GRAMS PER KM(PER MIN AT IDLE)
FUEL CONSUMPTION IN LITERS PER 100 KMS(PER 100 MIN AT IDLE)

VEH NO.	YR	MAKE	MODEL	CCD
107	77	KAWA	KZ650	652

MODE	T,SEC	HC	CO	CO2	NOX	FUEL CON	MODE	T,SEC	HC	CO	CO2	NOX	FUEL CON
1	10	1.56	16.78	34.9	0.00	2.82	2	12	5.58	77.05	129.4	.09	11.44
3	15	3.36	49.60	62.3	.09	6.44	4	16	7.98	65.87	70.9	.08	8.52
5	10	2.64	12.24	20.5	0.00	2.05	6	8	13.03	96.66	164.8	0.00	15.27
7	15	9.59	84.14	101.9	.10	11.28	8	11	9.39	73.27	88.0	.08	9.93
9	15	4.22	53.68	61.3	.09	6.78	10	13	3.48	53.71	78.1	.04	7.40
11	15	1.78	40.29	66.7	.19	5.79	12	12	2.05	38.52	47.3	.09	4.88
13	15	5.81	49.01	57.7	.04	6.53	14	17	3.27	51.03	98.9	.20	8.08
15	15	1.53	27.95	89.8	.49	5.91	16	12	1.24	25.70	56.5	.39	4.30
17	15	3.13	40.99	62.0	.06	5.81	18	14	1.75	39.48	92.0	.18	6.81
19	16	1.27	26.34	88.5	.53	5.71	20	30	2.30	31.72	58.3	.24	4.92
21	15	13.91	74.63	98.4	0.00	11.08	22	26	3.57	37.77	106.2	.50	7.54
23	15	1.25	24.67	88.7	.56	5.61	24	21	1.76	21.01	58.4	.32	4.14
25	10	2.88	9.12	18.6	0.00	1.79	26	32	3.14	37.59	110.3	.48	7.65
27	15	1.20	24.76	87.5	.54	5.55	28	23	1.35	26.56	51.6	.23	4.16
29	15	7.86	48.25	57.5	.04	6.75	30	9	5.65	48.36	55.4	.10	6.37
31	15	12.42	67.47	90.6	0.00	10.07	32	8	21.20	122.40	149.2	0.00	17.43
33	10	2.04	12.78	21.6	0.00	2.05	34	22	3.93	50.69	101.4	.17	8.25
35	15	1.81	42.07	66.0	.16	5.88	36	16	2.45	37.85	45.6	.08	4.81
37	15	16.20	65.00	89.1	0.00	10.35	38	18	6.18	58.75	95.2	.08	8.83
39	15	1.97	38.19	67.1	.32	5.69	40	19	3.41	40.59	52.3	.09	5.41
41	10	3.78	8.10	17.6	0.00	1.80	42	25	4.21	49.06	113.5	.35	8.70
43	15	1.47	27.15	87.1	.52	5.73	44	28	2.25	30.69	54.4	.26	4.68
45	10	4.20	7.92	19.4	0.00	1.93	46	15	8.09	73.96	115.1	0.00	10.96
47	15	4.01	51.81	62.1	.09	6.66	48	25	2.52	43.33	91.2	.23	7.13
49	16	1.29	27.15	87.0	.53	5.70	50	18	1.36	25.64	49.1	.26	4.00
51	16	6.72	44.71	55.0	.04	6.25	52	10	8.16	67.18	70.8	.14	8.63
53	10	2.22	11.28	18.5	0.00	1.85	54	38	3.24	39.73	102.0	.36	7.45
55	15	1.20	25.33	87.2	.54	5.58	56	35	2.63	29.71	54.5	.23	4.67
57	10	4.38	7.62	20.0	0.00	1.96	58	18	7.41	71.70	107.0	.06	10.37
59	15	3.77	51.12	60.9	.09	6.53	60	21	2.58	45.42	94.3	.23	7.41
61	15	1.40	28.17	86.1	.46	5.75	62	14	1.33	22.63	47.9	.34	3.74
63	15	7.09	43.39	53.7	.04	6.16	64	13	7.20	58.49	66.3	.10	7.72
65	12	2.80	9.55	18.1	0.00	1.79							
BAG		3.34	39.78	78.3	.28	6.46							
INTEG		3.51	40.67	80.9	.29	6.65							
0KPH		1.20	10.71	17.7	.01	1.64	8KPH		14.67	156.05	193.7	.11	20.70
16KPH		8.67	87.00	107.5	.06	11.59	24KPH		10.25	84.45	88.4	.06	10.82
48KPH		3.91	54.65	57.3	.05	6.64	72KPH		1.65	45.29	61.5	.08	5.88
97KPH		.98	25.04	84.9	.37	5.43							

APPENDIX F

LISTING OF MODAL EMISSIONS RESULTS
ON INDIVIDUAL VEHICLES

LOS ANGELES

EXHAUST EMISSIONS IN GRAMS PER KM(PER MIN AT IDLE)
FUEL CONSUMPTION IN LITERS PER 100 KMS(PER 100 MIN AT IDLE)

VEH NO.	YR	MAKE	MODEL	CCD
108	77	KAWA	KZ650	652

MODE	T,SEC	HC	CO	CO2	NOX	FUEL CON	MODE	T,SEC	HC	CO	CO2	NOX	FUEL CON
1	10	1.21	12.39	29.6	0.00	2.26	2	12	4.10	65.36	147.6	.10	11.23
3	15	3.28	47.86	67.9	.29	6.55	4	16	6.54	52.21	62.3	.08	7.04
5	10	3.48	7.56	17.0	0.00	1.70	6	8	11.17	94.11	182.4	0.00	15.60
7	15	8.36	82.04	106.7	.10	11.18	8	11	6.86	69.47	99.0	.08	9.81
9	15	3.83	52.58	67.5	.19	6.92	10	13	3.30	45.92	90.6	.13	7.39
11	15	1.61	37.26	75.7	.39	5.94	12	12	2.11	37.68	52.5	.14	5.05
13	15	6.83	51.93	64.1	.04	7.14	14	17	2.64	29.54	122.8	.59	7.57
15	15	1.01	15.78	100.7	1.41	5.49	16	12	1.06	25.31	66.0	.56	4.65
17	15	2.41	41.92	70.2	.13	6.13	18	14	1.44	25.81	108.2	.51	6.54
19	16	.95	16.77	100.2	.97	5.53	20	30	2.82	27.75	61.1	.37	4.85
21	15	16.50	79.10	101.4	.10	11.86	22	26	2.85	27.63	118.1	.87	7.27
23	15	1.01	17.64	99.5	.86	5.56	24	21	2.83	24.51	54.0	.45	4.33
25	10	4.14	6.96	17.4	0.00	1.77	26	32	2.73	27.84	122.1	.88	7.44
27	15	1.01	17.35	99.2	.86	5.53	28	23	1.77	23.72	54.0	.37	4.13
29	15	8.10	50.15	62.8	.05	7.14	30	9	5.97	49.67	55.5	.10	6.50
31	15	12.82	74.24	99.0	.10	10.93	32	8	20.00	124.40	140.0	0.00	17.01
33	10	1.86	9.48	17.7	.06	1.64	34	22	3.52	41.28	111.9	.38	8.02
35	15	1.61	38.01	74.4	.33	5.94	36	16	2.81	34.72	47.6	.18	4.74
37	15	16.42	70.61	97.8	.10	11.12	38	18	4.91	51.65	106.4	.20	8.66
39	15	1.81	36.93	75.6	.49	5.94	40	19	4.20	38.11	53.1	.19	5.39
41	10	3.78	7.26	17.6	0.00	1.75	42	25	2.96	25.37	134.7	1.22	7.85
43	15	1.15	18.22	99.3	1.00	5.61	44	28	3.24	26.48	57.2	.41	4.65
45	10	3.06	7.98	19.2	.06	1.77	46	15	5.50	65.08	126.1	.16	10.48
47	15	3.83	51.59	65.8	.19	6.78	48	25	2.41	30.64	105.3	.58	6.87
49	16	1.04	17.62	99.1	.95	5.55	50	18	1.62	23.25	53.6	.42	4.06
51	16	8.36	48.92	61.4	.04	7.03	52	10	8.42	67.28	73.1	.14	8.77
53	10	2.76	8.40	17.0	.06	1.66	54	38	2.59	30.36	114.4	.72	7.26
55	15	.96	16.89	99.5	.81	5.51	56	35	3.64	27.85	59.7	.36	4.91
57	10	3.66	7.74	18.7	0.00	1.81	58	18	5.64	63.67	111.3	.06	9.78
59	15	4.15	53.11	66.1	.14	6.94	60	21	2.60	31.88	110.2	.55	7.19
61	15	1.09	18.46	99.4	1.01	5.62	62	14	1.44	25.32	55.4	.44	4.25
63	15	6.46	48.05	62.5	.04	6.76	64	13	6.70	54.25	63.4	.10	7.25
65	12	3.10	7.40	16.6	.05	1.62							
BAG		3.29	34.15	87.0	.54	6.44							
INTEG		3.36	33.97	89.9	.53	6.57							
0KPH		.82	6.85	16.9	.01	1.29	8KPH		16.17	199.65	245.5	.20	26.04
16KPH		7.85	96.66	115.3	.09	12.46	24KPH		9.82	90.99	97.7	.08	11.59
48KPH		4.11	57.04	63.2	.07	7.07	72KPH		1.48	41.82	70.6	.17	6.01
97KPH		.78	17.71	96.2	.57	5.40							

APPENDIX F

LISTING OF MODAL EMISSIONS RESULTS
ON INDIVIDUAL VEHICLES

LOS ANGELES

EXHAUST EMISSIONS IN GRAMS PER KM(PER MIN AT IDLE)
FUEL CONSUMPTION IN LITERS PER 100 KMS(PER 100 MIN AT IDLE)

VEH NO.	YR	MAKE	MODEL	CCD
109	77	KAWA	KZ400	398

MODE	T,SEC	HC	CO	CO2	NOX	FUEL CON	MODE	T,SEC	HC	CO	CO2	NOX	FUEL CON
1	10	.06	1.41	9.1	0.00	.49	2	12	.72	40.14	93.1	0.00	6.76
3	15	1.14	26.69	48.6	.10	4.02	4	16	1.01	24.66	60.9	.17	4.39
5	10	.48	6.30	19.9	0.00	1.34	6	8	1.86	24.77	124.2	0.00	7.21
7	15	1.29	38.67	77.1	.10	6.05	8	11	1.23	43.00	70.0	.09	6.03
9	15	1.09	25.70	47.8	.10	3.91	10	13	.82	35.95	63.0	.14	5.21
11	15	1.06	33.78	49.0	.13	4.50	12	12	.83	21.51	35.4	.10	3.06
13	15	.80	15.76	44.3	.10	3.05	14	17	1.09	54.81	62.9	.11	6.50
15	15	1.64	60.13	56.3	.07	6.65	16	12	1.05	28.67	39.7	.14	3.76
17	15	.73	26.52	45.8	.10	3.83	18	14	1.03	53.22	61.5	.09	6.33
19	16	1.21	48.32	59.0	.12	5.92	20	30	.87	23.09	40.3	.15	3.38
21	15	2.09	11.43	55.8	0.00	3.43	22	26	1.53	61.13	65.4	.08	7.09
23	15	1.19	43.70	61.0	.12	5.69	24	21	1.01	23.81	42.6	.19	3.55
25	10	.78	4.14	20.2	.06	1.24	26	32	1.65	59.66	71.3	.09	7.26
27	15	1.12	43.33	61.0	.15	5.66	28	23	.85	22.99	41.3	.19	3.42
29	15	1.19	17.40	44.3	.05	3.22	30	9	.97	19.74	44.9	.11	3.37
31	15	1.79	34.10	71.8	.10	5.59	32	8	3.60	61.87	105.4	0.00	9.13
33	10	.48	9.48	19.5	0.00	1.53	34	22	1.34	45.18	73.3	.11	6.34
35	15	1.06	32.45	49.1	.17	4.41	36	16	.89	21.83	36.7	.13	3.15
37	15	1.49	14.02	58.5	.10	3.64	38	18	1.10	42.58	69.6	.08	5.97
39	15	1.13	34.37	48.0	.13	4.50	40	19	1.05	24.20	43.9	.14	3.64
41	10	.54	4.32	19.9	0.00	1.21	42	25	1.90	66.96	70.9	.07	7.77
43	15	1.69	51.23	57.3	.10	6.11	44	28	1.04	23.71	42.8	.19	3.56
45	10	.84	3.78	19.6	0.00	1.20	46	15	1.43	39.29	89.7	.08	6.65
47	15	1.14	25.75	47.3	.10	3.90	48	25	1.21	52.78	61.2	.12	6.31
49	16	1.33	49.60	58.3	.09	5.99	50	18	.89	23.89	36.8	.13	3.29
51	16	1.21	16.18	45.6	.09	3.19	52	10	1.40	25.87	60.0	.14	4.48
53	10	.42	7.80	20.7	.06	1.46	54	38	1.41	52.79	68.2	.09	6.64
55	15	1.12	45.84	60.0	.12	5.78	56	35	1.02	24.51	44.4	.17	3.67
57	10	.78	3.84	20.8	0.00	1.25	58	18	1.33	37.94	84.9	.07	6.34
59	15	1.09	24.55	49.5	.15	3.90	60	21	1.15	52.86	64.9	.12	6.47
61	15	1.52	52.45	57.3	.10	6.16	62	14	.93	22.72	37.3	.21	3.24
63	15	1.19	15.85	45.7	.15	3.17	64	13	1.26	22.77	60.6	.21	4.28
65	12	.45	5.60	16.6	.05	1.14							
BAG		1.21	39.48	49.6	.12	4.93							
INTEG		1.25	39.08	57.4	.13	5.24							
0KPH		.20	3.85	14.3	.01	.89	8KPH		.98	24.81	67.5	.09	4.67
16KPH		1.06	25.63	58.3	.05	4.35	24KPH		1.57	39.64	52.5	.04	5.11
48KPH		.55	19.43	39.4	.09	3.06	72KPH		.55	20.56	31.0	.08	2.77
97KPH		.91	39.75	57.1	.18	5.22							

APPENDIX F

LISTING OF MODAL EMISSIONS RESULTS
ON INDIVIDUAL VEHICLES

LOS ANGELES

EXHAUST EMISSIONS IN GRAMS PER KM(PER MIN AT IDLE)
FUEL CONSUMPTION IN LITERS PER 100 KMS(PER 100 MIN AT IDLE)

VEH NO.	YR	MAKE	MODEL	CCD
110	77	KAWA	KZ400	398

MODE	T,SEC	HC	CO	CO2	NOX	FUEL CON	MODE	T,SEC	HC	CO	CO2	NOX	FUEL CON
1	14	.17	1.17	7.3	.04	.41	2	12	1.01	32.52	109.8	.10	7.00
3	15	.88	16.74	65.3	.54	4.03	4	16	.80	20.24	77.1	.48	4.75
5	10	.36	7.38	25.3	.06	1.62	6	8	1.47	32.35	148.5	0.00	8.70
7	15	1.18	43.36	94.3	.19	7.09	8	11	.94	38.97	81.5	.08	6.21
9	15	.83	18.81	62.1	.34	4.02	10	13	.54	17.07	80.9	.31	4.67
11	15	.52	7.50	73.8	1.21	3.72	12	12	.38	3.28	54.5	1.40	2.60
13	15	.54	13.64	58.5	.39	3.48	14	17	.63	26.74	88.0	.46	5.63
15	15	.91	48.44	64.4	.41	6.12	16	12	.76	26.53	48.5	.31	3.95
17	15	.45	4.95	70.4	.62	3.40	18	14	.57	18.49	87.3	1.08	5.04
19	16	.67	26.73	74.5	.74	5.06	20	30	.51	9.76	55.1	.97	3.07
21	15	1.94	33.68	88.6	.19	6.30	22	26	.91	33.60	87.5	.44	6.11
23	15	.59	20.07	78.0	.83	4.75	24	21	.56	11.46	54.4	1.21	3.16
25	10	.42	4.26	26.0	.06	1.45	26	32	.94	39.01	88.5	.51	6.52
27	15	.78	42.78	63.1	.27	5.66	28	23	.64	19.85	47.8	.37	3.46
29	15	.73	14.70	58.9	.14	3.60	30	9	.63	15.68	59.3	.31	3.67
31	15	1.48	34.75	91.8	.19	6.44	32	8	2.14	70.00	136.4	.35	10.80
33	10	.36	10.86	25.0	.06	1.84	34	22	.99	30.54	90.0	.37	6.02
35	15	.55	7.70	71.1	1.11	3.62	36	16	.48	6.65	52.8	1.23	2.76
37	15	1.37	29.41	91.6	.29	6.06	38	18	.92	34.36	86.0	.20	6.10
39	15	.65	10.78	70.6	.95	3.82	40	19	.51	7.89	62.2	1.44	3.25
41	10	.42	4.80	26.1	.06	1.49	42	25	1.15	44.66	90.3	.38	7.00
43	15	.97	49.47	60.9	.22	6.04	44	28	.77	21.19	51.3	.39	3.71
45	10	.48	5.82	25.4	.06	1.54	46	15	1.06	42.95	105.8	.16	7.53
47	15	.78	22.36	58.9	.39	4.12	48	25	.62	26.98	81.3	.60	5.36
49	16	.69	33.02	69.6	.55	5.27	50	18	.55	15.95	47.6	.70	3.17
51	16	.64	12.44	58.2	.23	3.40	52	10	.95	22.87	76.3	.54	4.92
53	10	.36	7.44	25.8	.12	1.65	54	38	.78	26.87	90.7	.66	5.77
55	15	.54	10.88	59.3	.91	3.33	56	35	.54	10.88	59.3	.99	3.33
57	10	.42	6.24	25.7	.06	1.57	58	18	1.10	43.03	98.3	.13	7.23
59	15	.78	21.22	58.8	.29	4.04	60	21	.70	26.08	83.9	.51	5.42
61	15	.86	47.40	60.8	.39	5.89	62	14	.68	23.29	41.3	.30	3.41
63	15	.68	10.14	57.5	.29	3.22	64	13	.72	18.85	77.5	.52	4.67
65	12	.35	7.25	22.8	.10	1.51							
BAG		.78	24.17	70.0	.58	4.71							
INTEG		.78	25.33	73.3	.59	4.93							
0KPH		.21	6.39	19.7	.01	1.30	8KPH		2.00	65.48	113.7	.07	9.51
16KPH		.99	30.81	98.7	.17	6.41	24KPH		1.09	38.40	89.9	.15	6.56
48KPH		.52	16.55	58.8	.29	3.69	72KPH		.33	3.28	76.0	1.57	3.51
97KPH		.79	44.59	61.2	.20	5.71							

APPENDIX F

LISTING OF MODAL EMISSIONS RESULTS
ON INDIVIDUAL VEHICLES

LOS ANGELES

EXHAUST EMISSIONS IN GRAMS PER KM(PER MIN AT IDLE)
FUEL CONSUMPTION IN LITERS PER 100 KMS(PER 100 MIN AT IDLE)

VEH NO.	YR	MAKE	MODEL	CCD
111	77	KAWA	KZ400	398

MODE	T,SEC	HC	CO	CO2	NOX	FUEL CON	MODE	T,SEC	HC	CO	CO2	NOX	FUEL CON
1	10	.11	3.91	21.0	.06	1.17	2	12	.72	40.35	98.3	0.00	6.99
3	15	1.14	27.88	51.9	.15	4.24	4	16	1.01	23.57	60.2	.17	4.28
5	10	.48	4.56	17.2	0.00	1.10	6	8	3.10	14.86	125.1	0.00	6.75
7	15	1.49	41.25	80.9	.10	6.42	8	11	1.06	42.56	75.1	.09	6.20
9	15	.99	26.94	53.0	.15	4.20	10	13	.78	38.33	64.9	.14	5.44
11	15	.99	32.38	53.3	.20	4.58	12	12	.73	19.40	38.6	.20	3.05
13	15	.94	16.25	45.8	.10	3.17	14	18	1.26	55.70	66.6	.11	6.74
15	15	1.69	62.27	58.8	.10	6.91	16	12	1.01	28.89	41.8	.18	3.86
17	15	.76	27.25	48.9	.13	4.01	18	14	.97	55.99	65.9	.15	6.69
19	16	1.16	51.82	60.2	.14	6.20	20	30	.87	23.81	41.2	.17	3.47
21	15	2.98	10.44	56.5	0.00	3.51	22	26	1.53	62.55	69.5	.10	7.36
23	15	1.19	48.27	61.6	.15	6.02	24	21	1.04	25.39	41.3	.19	3.60
25	10	.72	3.30	16.1	0.00	1.01	26	32	1.80	62.51	74.8	.09	7.62
27	15	1.12	48.27	61.5	.15	6.01	28	23	.85	24.22	41.3	.19	3.50
29	15	1.29	17.89	49.3	.05	3.48	30	9	.97	20.60	48.2	.11	3.57
31	15	1.99	30.12	76.1	.10	5.53	32	8	3.24	54.68	109.0	0.00	8.75
33	10	.36	7.80	18.4	0.00	1.36	34	22	1.48	46.80	76.7	.14	6.61
35	15	.99	32.35	52.4	.17	4.54	36	16	.85	21.03	38.6	.18	3.17
37	15	2.49	13.92	57.3	.10	3.71	38	18	1.22	42.82	74.1	.12	6.20
39	15	1.13	33.64	52.2	.17	4.63	40	19	.95	21.49	44.6	.19	3.47
41	10	.66	3.30	16.6	0.00	1.02	42	25	2.06	65.07	73.0	.07	7.75
43	15	1.29	48.57	62.6	.15	6.10	44	28	1.04	24.37	42.1	.19	3.57
45	10	.96	2.34	15.0	0.00	.93	46	15	2.02	41.15	89.0	.08	6.83
47	15	1.19	26.59	51.5	.15	4.14	48	25	1.13	55.85	65.9	.14	6.71
49	16	1.26	51.30	59.7	.12	6.15	50	18	.87	24.28	37.6	.18	3.35
51	16	1.31	16.78	46.8	.05	3.30	52	10	1.26	25.17	57.5	.14	4.31
53	10	.36	6.24	18.4	.06	1.25	54	38	1.39	52.70	71.2	.12	6.76
55	15	1.09	50.83	59.9	.15	6.11	56	35	1.06	26.33	43.1	.15	3.75
57	10	1.02	2.04	15.7	0.00	.94	58	18	1.82	38.71	85.0	.07	6.47
59	15	1.04	25.99	50.9	.10	4.05	60	21	1.12	57.35	67.8	.12	6.89
61	15	1.39	58.26	59.4	.12	6.63	62	14	.96	25.74	35.5	.17	3.37
63	15	1.44	17.89	47.4	.10	3.42	64	13	1.36	26.23	60.2	.10	4.51
65	12	.55	5.20	15.6	0.00	1.09							
BAG		1.23	40.38	50.4	.13	5.02							
INTEG		1.27	40.38	59.4	.13	5.41							
0KPH		.08	1.11	11.2	.01	.56	8KPH		.60	7.90	90.0	.08	4.79
16KPH		.66	13.35	72.1	.08	4.06	24KPH		1.01	35.71	60.9	.07	5.13
48KPH		.47	17.86	48.3	.11	3.32	72KPH		.65	24.65	51.5	.25	3.94
97KPH		.95	42.45	60.8	.22	5.57							

APPENDIX F

LISTING OF MODAL EMISSIONS RESULTS
ON INDIVIDUAL VEHICLES

LOS ANGELES

EXHAUST EMISSIONS IN GRAMS PER KM(PER MIN AT IDLE)
FUEL CONSUMPTION IN LITERS PER 100 KMS(PER 100 MIN AT IDLE)

VEH NO.	YR	MAKE	MODEL	CCD
112	77	KAWA	KH400	400

MODE	T.SEC	HC	CO	CO2	NOX	FUEL CON	MODE	T.SEC	HC	CO	CO2	NOX	FUEL CON
1	10	4.08	3.68	23.5	0.00	1.80	2	12	15.10	24.30	85.7	0.00	7.33
3	15	14.63	25.22	53.9	0.00	5.97	4	16	16.86	22.96	61.5	0.00	6.44
5	10	4.26	4.50	16.3	0.00	1.57	6	8	18.52	21.17	84.1	0.00	7.51
7	15	20.50	26.40	83.4	0.00	8.10	8	11	16.03	28.44	72.3	0.00	7.16
9	15	13.31	23.96	54.4	0.00	5.73	10	13	12.35	36.60	67.8	0.00	7.02
11	15	15.41	38.71	53.2	.03	6.95	12	12	12.92	24.58	37.3	.04	4.99
13	15	10.64	17.07	43.7	0.00	4.45	14	17	15.50	37.96	91.2	.05	8.53
15	15	21.11	54.56	59.9	.22	9.07	16	12	16.07	37.59	37.3	.03	6.28
17	15	11.75	27.74	50.0	.03	5.58	18	14	15.52	54.44	69.5	.03	8.71
19	16	18.31	59.53	58.4	.04	8.96	20	30	14.08	31.76	38.7	0.00	5.68
21	15	19.80	21.18	60.9	.09	6.70	22	26	20.13	57.74	73.4	.03	9.72
23	15	18.04	59.67	58.4	.04	8.93	24	21	16.47	33.11	38.0	.06	6.07
25	10	5.10	4.74	15.2	.06	1.66	26	32	19.85	57.84	73.7	.05	9.71
27	15	18.76	63.18	58.8	.04	9.28	28	23	14.83	33.89	37.6	.04	5.88
29	15	11.93	16.48	45.3	.04	4.65	30	9	13.97	17.41	49.5	0.00	5.17
31	15	18.38	24.24	68.2	0.00	7.02	32	8	40.74	39.25	111.1	0.00	12.88
33	10	4.92	5.16	17.5	0.00	1.76	34	22	17.12	43.56	73.8	.03	8.38
35	15	15.34	37.35	53.5	.03	6.86	36	16	13.56	22.83	39.5	.04	5.05
37	15	18.98	22.62	63.5	0.00	6.79	38	18	16.36	42.76	75.2	0.00	8.29
39	15	17.99	41.28	51.3	.03	7.39	40	19	17.12	28.32	44.6	.04	6.12
41	10	5.04	4.80	15.4	0.00	1.66	42	25	20.42	40.39	93.6	.11	9.46
43	15	20.80	63.42	57.5	.12	9.52	44	28	17.31	34.57	39.6	.04	6.35
45	10	5.10	4.26	15.1	.06	1.62	46	15	17.82	27.74	83.4	0.00	7.83
47	15	14.20	24.35	53.8	.04	5.85	48	25	16.25	51.11	70.3	.03	8.62
49	16	20.20	64.12	56.8	.04	9.45	50	18	16.25	35.21	35.3	.02	6.06
51	16	11.93	15.99	43.8	.04	4.55	52	10	20.14	24.71	67.7	.14	7.27
53	10	4.86	5.58	17.3	0.00	1.77	54	38	18.42	55.63	70.9	.03	9.24
55	15	17.92	62.27	58.0	.04	9.07	56	35	16.29	34.10	42.6	.05	6.31
57	10	4.92	4.02	15.0	0.00	1.57	58	18	18.33	29.53	85.6	0.00	8.11
59	15	12.90	22.61	53.1	.04	5.53	60	21	15.86	44.71	79.0	.04	8.51
61	15	20.69	59.65	58.2	.14	9.28	62	14	16.22	32.90	32.3	.03	5.78
63	15	12.18	17.21	41.1	.04	4.55	64	13	20.10	25.37	64.0	.10	7.15
65	12	4.80	5.10	16.5	0.00	1.69							
BAG		17.08	41.22	57.6	.05	7.53							
INTEG		17.33	42.05	59.9	.05	7.72							
0KPH		3.84	1.90	11.6	0.00	1.14	8KPH		26.80	22.71	98.0	.03	9.33
16KPH		22.73	24.84	71.3	.02	7.78	24KPH		21.97	28.10	62.3	.02	7.51
48KPH		12.05	21.28	48.5	.02	5.12	72KPH		13.18	34.56	51.1	.03	6.28
97KPH		17.06	60.78	55.0	.04	8.73							

APPENDIX F

LISTING OF MODAL EMISSIONS RESULTS
ON INDIVIDUAL VEHICLES

LOS ANGELES

EXHAUST EMISSIONS IN GRAMS PER KM(PER MIN AT IDLE)
FUEL CONSUMPTION IN LITERS PER 100 KMS(PER 100 MIN AT IDLE)

VEH NO.	YR	MAKE	MODEL	CCD
113	77	KAWA	KE175	174

MODE	T,SEC	HC	CO	CO2	NOX	FUEL CON	MODE	T,SEC	HC	CO	CO2	NOX	FUEL CON
1	10	.95	4.32	12.3	0.00	.94	2	12	10.75	42.79	68.5	0.00	7.24
3	15	9.90	29.31	37.2	0.00	4.89	4	16	9.66	19.17	37.4	0.00	4.19
5	10	2.10	3.06	10.7	0.00	.95	6	8	10.64	31.61	73.5	0.00	6.69
7	15	13.16	27.72	51.1	0.00	5.82	8	11	10.00	35.39	52.6	0.00	5.97
9	15	8.73	28.63	36.8	0.00	4.67	10	13	7.37	39.14	49.8	0.00	5.74
11	15	9.67	45.62	39.6	.03	6.05	12	12	8.17	29.32	28.1	.04	4.27
13	15	7.36	23.36	34.1	0.00	4.02	14	17	8.75	46.03	54.7	.03	6.60
15	15	13.80	56.22	60.1	.07	8.20	16	12	12.09	34.14	36.6	.10	5.48
17	15	8.07	39.77	38.7	.03	5.41	18	14	8.51	45.78	57.6	.06	6.68
19	16	12.32	53.24	62.6	.09	7.90	20	30	9.87	29.34	32.6	.05	4.69
21	15	13.39	21.65	43.0	0.00	5.10	22	26	12.43	53.69	61.8	.06	7.92
23	15	13.43	56.18	60.5	.07	8.16	24	21	12.03	27.40	32.1	.09	4.83
25	10	3.48	3.00	10.6	0.00	1.12	26	32	12.55	50.94	59.7	.05	7.66
27	15	12.70	53.32	59.3	.07	7.82	28	23	10.06	31.11	33.2	.06	4.86
29	15	8.38	21.51	33.9	0.00	4.02	30	9	8.65	16.18	28.7	0.00	3.48
31	15	10.39	23.13	44.4	0.00	4.85	32	8	21.37	26.89	64.1	0.00	7.43
33	10	2.40	3.12	11.6	0.00	1.03	34	22	10.45	46.64	57.0	.03	6.97
35	15	9.50	45.32	39.0	.03	5.99	36	16	7.75	24.00	25.8	0.00	3.76
37	15	11.56	23.52	41.9	0.00	4.93	38	18	9.15	41.56	54.1	.04	6.33
39	15	10.42	44.96	69.3	.03	7.38	40	19	9.07	26.45	30.1	.04	4.28
41	10	2.28	3.24	10.4	0.00	.97	42	25	11.77	51.16	60.0	.05	7.58
43	15	13.92	55.36	56.6	.05	8.01	44	28	10.68	31.27	32.3	.04	4.92
45	10	3.06	2.58	9.8	0.00	1.00	46	15	12.86	41.30	60.6	0.00	7.09
47	15	8.97	27.35	36.3	0.00	4.59	48	25	9.17	44.37	54.2	.03	6.53
49	16	12.12	52.17	55.3	.09	7.49	50	18	9.31	30.10	30.0	.05	4.56
51	16	8.07	22.47	33.2	0.00	4.01	52	10	11.03	19.74	38.4	0.00	4.45
53	10	2.16	3.54	11.7	0.00	1.03	54	38	11.95	51.32	57.5	.04	7.51
55	15	11.03	51.72	52.7	.07	7.21	56	35	9.68	31.23	34.6	.05	4.88
57	10	2.88	2.52	10.4	0.00	1.00	58	18	12.08	41.94	59.5	.06	6.98
59	15	8.68	27.17	35.9	0.00	4.53	60	21	10.04	46.84	53.7	.04	6.79
61	15	12.97	54.46	54.4	.07	7.72	62	14	10.23	29.25	29.6	.06	4.61
63	15	7.83	21.42	32.7	0.00	3.89	64	13	9.70	17.20	35.0	0.00	3.96
65	12	2.30	3.10	11.0	0.00	.99							
BAG		10.75	40.45	40.9	.05	5.91							
INTEG		10.87	40.64	47.5	.05	6.22							
0KPH		1.94	2.28	4.0	0.00	.59	8KPH		20.08	35.13	50.7	.02	7.23
16KPH		5.40	31.41	36.4	.01	4.39	24KPH		3.71	23.10	28.0	.01	3.24
48KPH		1.75	19.73	27.3	.01	2.72	72KPH		2.02	4.33	32.4	.02	1.95
97KPH		8.92	4.95	50.2	.07	3.68							

APPENDIX F

LISTING OF MODAL EMISSIONS RESULTS
ON INDIVIDUAL VEHICLES

LOS ANGELES

EXHAUST EMISSIONS IN GRAMS PER KM(PER MIN AT IDLE)
FUEL CONSUMPTION IN LITERS PER 100 KMS(PER 100 MIN AT IDLE)

VEH NO.	YR	MAKE	MODEL	CCD
114	77	KAWA	KE100	99

MODE	T,SEC	HC	CO	CO2	NOX	FUEL CON	MODE	T,SEC	HC	CO	CO2	NOX	FUEL CON
1	10	1.43	2.46	11.5	0.00	.85	2	12	10.16	23.77	62.0	0.00	5.61
3	15	5.81	14.72	44.3	0.00	3.66	4	16	5.78	15.00	62.6	0.00	4.46
5	10	.90	2.88	13.5	0.00	.89	6	8	9.47	33.15	104.2	0.00	7.95
7	15	9.53	19.37	65.5	0.00	5.38	8	11	6.66	18.05	56.5	0.00	4.52
9	15	4.41	14.26	44.5	0.00	3.45	10	13	3.78	18.71	50.9	0.00	3.94
11	15	3.55	18.24	36.1	0.00	3.24	12	12	2.36	12.97	31.7	0.00	2.54
13	15	3.07	15.92	39.7	0.00	3.18	14	17	5.15	29.86	49.2	0.00	4.80
15	15	7.55	31.70	36.9	.03	4.72	16	12	5.32	18.51	27.1	0.00	3.12
17	15	2.93	16.23	36.6	0.00	3.05	18	14	3.22	25.26	45.2	0.00	4.06
19	16	5.95	27.22	36.9	.03	4.20	20	30	3.35	14.51	32.1	.02	2.79
21	15	8.57	23.49	61.9	0.00	5.37	22	26	6.72	29.84	48.6	.03	4.98
23	15	5.86	26.71	37.0	.03	4.16	24	21	4.80	15.58	32.7	.04	3.09
25	10	.90	3.36	13.0	0.00	.90	26	32	6.92	29.40	49.6	.02	5.02
27	15	5.76	26.07	36.2	.03	4.07	28	23	1.02	13.55	29.9	.03	2.32
29	15	4.07	15.38	38.2	0.00	3.21	30	9	4.57	14.57	45.6	0.00	3.54
31	15	6.66	23.80	66.0	0.00	5.31	32	8	16.47	33.52	108.8	0.00	9.12
33	10	1.20	3.06	12.7	0.00	.91	34	22	6.83	24.69	53.2	.05	4.85
35	15	3.45	16.44	38.9	0.00	3.23	36	16	2.58	12.44	36.5	0.00	2.74
37	15	6.12	24.35	66.0	0.00	5.27	38	18	5.75	24.36	53.2	0.00	4.68
39	15	3.98	17.30	37.5	0.00	3.30	40	19	2.94	14.41	42.7	.07	3.18
41	10	.66	3.48	13.6	0.00	.90	42	25	7.30	31.09	51.3	.03	5.26
43	15	5.90	25.17	36.0	.03	4.02	44	28	3.60	14.12	35.4	.03	2.94
45	10	.90	30.60	128.4	0.00	7.65	46	15	9.35	22.59	63.4	0.00	5.48
47	15	4.07	13.23	42.4	0.00	3.25	48	25	4.01	22.90	47.1	.03	4.09
49	16	6.10	27.07	36.6	.03	4.20	50	18	3.55	13.87	27.4	0.00	2.58
51	16	3.79	14.67	37.2	0.00	3.08	52	10	6.73	18.26	57.6	0.00	4.59
53	10	.96	3.12	13.1	0.00	.90	54	38	5.98	27.59	49.1	.02	4.75
55	15	5.94	28.06	36.3	0.00	4.23	56	35	3.69	14.94	35.4	.02	3.01
57	10	1.02	3.06	11.8	0.00	.85	58	18	9.34	22.96	60.8	0.00	5.40
59	15	3.98	14.76	42.7	0.00	3.35	60	21	4.52	26.16	48.1	.03	4.42
61	15	6.13	26.60	35.8	.03	4.14	62	15	3.90	13.95	25.8	0.00	2.56
63	15	3.75	15.00	38.4	0.00	3.15	64	13	6.27	17.62	58.8	0.00	4.54
65	12	.85	3.15	12.9	0.00	.88							
BAG		5.22	21.15	39.1	.02	3.79							
INTEG		5.31	21.93	43.7	.03	4.05							
0KPH		1.59	1.85	8.1	.01	.68	8KPH		12.96	22.60	79.9	.01	6.68
16KPH		8.79	18.54	52.7	.01	4.68	24KPH		3.28	20.73	40.2	.01	3.55
48KPH		3.52	16.29	35.0	.02	3.06	72KPH						

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APPENDIX F

LISTING OF MODAL EMISSIONS RESULTS
ON INDIVIDUAL VEHICLES

LOS ANGELES

EXHAUST EMISSIONS IN GRAMS PER KM(PER MIN AT IDLE)
FUEL CONSUMPTION IN LITERS PER 100 KMS(PER 100 MIN AT IDLE)

VEH NO.	YR	MAKE	MODEL	CCD
115	77	SUZU	GS750	748

MODE	T.SEC	HC	CO	CO2	NOX	FUEL CON	MODE	T.SEC	HC	CO	CO2	NOX	FUEL CON
1	10	.96	11.77	31.8	0.00	2.27	2	12	4.63	58.86	130.7	0.00	10.15
3	15	3.08	43.93	63.5	.19	6.07	4	16	4.38	48.09	58.8	.08	6.32
5	10	2.52	9.12	18.2	0.00	1.73	6	8	13.52	91.17	170.0	0.00	15.19
7	15	6.56	66.36	90.7	.10	9.20	8	11	4.12	63.33	85.5	0.00	8.45
9	15	2.87	46.53	62.1	.09	6.16	10	13	2.70	44.86	80.5	.04	6.81
11	15	2.04	41.84	67.3	.23	5.95	12	12	2.28	33.83	41.7	.09	4.35
13	15	5.20	41.65	54.2	.05	5.81	14	17	2.69	47.92	109.3	.22	8.24
15	15	1.70	42.37	89.1	.29	6.87	16	12	1.43	31.60	58.0	.17	4.78
17	15	3.46	44.52	60.3	.06	6.02	18	14	2.05	45.10	97.8	.15	7.47
19	16	1.55	41.71	90.1	.23	6.85	20	30	1.97	30.62	52.8	.12	4.57
21	15	12.52	46.76	80.1	0.00	8.24	22	26	3.04	45.53	109.6	.42	8.14
23	15	1.65	41.58	88.7	.22	6.79	24	21	2.03	30.28	54.2	.15	4.62
25	10	3.84	9.18	21.8	0.00	2.06	26	32	3.73	46.93	113.2	.30	8.48
27	15	1.63	40.79	91.0	.22	6.84	28	23	1.75	29.89	53.0	.14	4.50
29	15	7.50	40.10	55.9	0.00	6.09	30	9	4.73	40.53	50.1	0.00	5.49
31	15	9.50	55.40	81.9	0.00	8.49	32	8	13.57	90.00	125.4	0.00	13.22
33	10	1.68	12.84	22.3	0.00	2.04	34	22	4.70	43.55	106.0	.17	8.08
35	15	2.33	43.19	66.0	.26	6.02	36	16	2.58	32.81	43.3	.08	4.39
37	15	11.02	49.48	81.5	0.00	8.28	38	18	3.88	48.13	100.6	.08	8.04
39	15	2.53	44.76	65.8	.36	6.15	40	19	3.06	35.59	48.1	.09	4.85
41	10	3.24	7.62	18.1	0.00	1.72	42	25	5.34	46.08	128.4	.27	9.29
43	15	2.29	55.03	87.7	.32	7.74	44	28	2.62	32.00	54.3	.14	4.82
45	10	3.66	7.44	19.4	0.00	1.82	46	15	7.13	56.88	119.8	0.00	9.89
47	15	3.33	45.42	64.4	.14	6.24	48	25	2.41	41.98	98.4	.23	7.34
49	16	1.57	39.18	91.8	.25	6.75	50	18	1.52	27.34	51.4	.15	4.23
51	16	6.86	37.05	53.8	0.00	5.71	52	10	6.11	51.11	65.1	.13	7.03
53	10	1.80	10.74	19.2	0.00	1.78	54	38	3.21	39.92	108.7	.35	7.75
55	15	1.50	38.53	90.8	.22	6.66	56	35	2.68	32.10	57.3	.13	4.96
57	10	3.60	8.46	21.1	0.00	1.95	58	18	6.57	156.23	108.4	0.00	15.98
59	15	3.30	47.35	63.4	.10	6.32	60	21	2.44	44.23	102.9	.23	7.68
61	15	1.63	40.94	90.2	.27	6.81	62	14	1.43	26.38	50.4	.17	4.11
63	15	5.72	35.77	53.8	.04	5.47	64	13	5.47	48.52	62.6	.10	6.66
65	12	2.35	8.85	17.2	0.00	1.64							
BAG		3.25	40.24	79.3	.19	6.52							
INTEG		3.32	42.26	82.2	.18	6.79							
0KPH		.80	8.46	19.0	0.00	1.49	8KPH		5.47	68.20	149.8	.07	11.70
16KPH		9.37	96.08	115.3	.07	12.62	24KPH		7.06	75.69	82.2	.05	9.53
48KPH		3.05	51.18	57.1	.04	6.28	72KPH		2.04	45.51	62.7	.10	6.00
97KPH		1.20	40.75	103.2	.19	7.29							

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APPENDIX F

LISTING OF MODAL EMISSIONS RESULTS
ON INDIVIDUAL VEHICLES

LOS ANGELES

EXHAUST EMISSIONS IN GRAMS PER KM(PER MIN AT IDLE)
FUEL CONSUMPTION IN LITERS PER 100 KMS(PER 100 MIN AT IDLE)

VEH NO.	YR	MAKE	MODEL	CCD
116	77	SUZU	GS550	549

MODE	T,SEC	HC	CO	CO2	NOX	FUEL CON	MODE	T,SEC	HC	CO	CO2	NOX	FUEL CON
1	11	.32	1.91	10.9	.05	.64	2	12	3.02	45.41	92.4	0.00	7.39
3	15	2.56	30.73	58.4	.24	4.90	4	16	2.50	36.46	58.6	.08	5.28
5	10	1.08	7.62	17.0	0.00	1.38	6	8	9.41	56.47	127.6	0.00	10.50
7	15	4.90	40.80	81.2	0.00	6.86	8	11	2.78	46.60	79.5	0.00	6.89
9	15	2.06	32.95	57.7	.09	4.95	10	13	1.76	38.55	75.8	.04	6.02
11	15	1.90	31.25	61.7	.32	4.98	12	12	1.70	24.04	38.8	.14	3.50
13	15	3.18	28.90	49.7	.04	4.49	14	17	2.05	38.51	99.8	.22	7.11
15	15	1.33	25.38	87.1	.71	5.60	16	12	1.12	21.79	52.5	.35	3.85
17	15	2.21	32.67	57.1	.09	4.92	18	14	1.59	36.09	88.5	.18	6.41
19	16	1.18	25.66	85.6	.53	5.53	20	30	1.16	21.95	49.9	.29	3.76
21	15	8.41	29.40	66.4	0.00	5.94	22	26	2.56	33.34	99.4	.48	6.82
23	15	1.23	26.27	85.2	.54	5.56	24	21	1.32	21.48	49.3	.40	3.72
25	10	1.80	6.36	15.6	0.00	1.34	26	32	2.92	33.96	102.2	.48	7.03
27	15	1.18	26.65	84.5	.54	5.55	28	23	1.18	20.39	48.7	.31	3.60
29	15	4.05	26.53	49.6	.04	4.44	30	9	2.47	29.03	47.4	.10	4.30
31	15	5.20	33.40	67.8	0.00	5.83	32	8	10.37	64.81	117.0	0.00	10.74
33	10	1.14	9.66	19.9	0.00	1.65	34	22	3.50	39.06	93.5	.17	7.08
35	15	1.94	31.65	59.5	.36	4.92	36	16	1.79	24.30	40.4	.13	3.59
37	15	6.80	31.90	65.5	0.00	5.85	38	18	3.05	40.44	87.5	.04	6.85
39	15	2.10	30.55	60.7	.42	4.92	40	19	2.10	27.55	45.5	.14	4.07
41	10	1.68	6.72	16.4	0.00	1.38	42	25	3.49	33.38	112.3	.56	7.50
43	15	1.29	26.04	85.8	.67	5.58	44	28	1.54	22.51	51.6	.35	3.92
45	10	2.22	6.00	17.0	0.00	1.43	46	15	5.95	51.48	102.7	0.00	8.64
47	15	2.17	30.99	57.2	.09	4.81	48	25	1.77	35.40	87.5	.27	6.34
49	16	1.15	25.69	85.1	.60	5.51	50	18	1.05	19.84	47.1	.36	3.48
51	16	3.79	25.92	49.3	.04	4.35	52	10	3.06	35.20	60.9	.13	5.37
53	10	.90	8.88	18.3	0.00	1.50	54	38	2.68	35.67	93.7	.35	6.75
55	15	1.18	27.97	82.4	.46	5.55	56	35	1.66	23.22	51.2	.28	3.96
57	10	2.52	5.76	16.2	0.00	1.42	58	18	5.65	49.65	96.3	.06	8.20
59	15	2.07	32.07	55.5	.09	4.80	60	21	1.86	37.15	91.8	.23	6.66
61	15	1.23	25.30	85.0	.66	5.49	62	14	1.09	18.18	44.8	.41	3.28
63	15	3.62	25.88	47.5	.09	4.25	64	13	3.01	34.08	56.5	.10	5.10
65	12	1.35	7.30	14.1	0.00	1.27							
BAG		2.22	30.50	71.0	.30	5.37							
INTEG		2.30	30.47	74.5	.32	5.53							
0KPH		.93	6.38	17.1	.01	1.28	8KPH		6.17	55.03	131.3	.07	10.12
16KPH		5.65	59.82	96.5	.06	8.89	24KPH		3.32	40.82	66.9	.04	6.04
48KPH		1.37	34.32	51.1	.05	4.66	72KPH		1.55	33.18	56.0	.12	4.82
97KPH		.94	26.35	80.8	.38	5.34							

APPENDIX F

LISTING OF MODAL EMISSIONS RESULTS
ON INDIVIDUAL VEHICLES

LOS ANGELES

EXHAUST EMISSIONS IN GRAMS PER KM(PER MIN AT IDLE)
FUEL CONSUMPTION IN LITERS PER 100 KMS(PER 100 MIN AT IDLE)

VEH NO.	YR	MAKE	MODEL	CCD
117	77	SUZU	GS400	398

MODE	T,SEC	HC	CO	CO2	NOX	FUEL CON	MODE	T,SEC	HC	CO	CO2	NOX	FUEL CON
1	10	8.58	20.41	21.6	0.00	3.45	2	12	21.85	87.21	72.4	0.00	11.89
3	15	9.06	54.90	43.4	.04	6.76	4	16	13.07	62.22	57.3	0.00	8.38
5	10	6.42	13.26	15.5	0.00	2.42	6	8	35.62	106.87	94.4	0.00	16.01
7	15	22.40	74.90	64.2	0.00	10.79	8	11	15.04	67.65	57.5	0.00	9.02
9	15	7.83	54.77	43.5	.04	6.59	10	13	5.18	61.95	53.5	.04	7.13
11	15	5.08	62.85	43.2	.03	6.74	12	12	5.76	51.49	34.5	.04	5.70
13	15	12.57	41.33	37.1	0.00	6.05	14	17	5.81	66.63	57.4	.06	7.70
15	15	5.11	82.36	55.9	.05	8.60	16	12	3.33	55.52	37.8	.06	5.78
17	15	5.23	57.99	40.8	.03	6.33	18	14	4.32	77.70	53.0	.03	8.05
19	16	2.84	74.68	50.8	.06	7.56	20	30	4.73	61.27	43.0	.05	6.58
21	15	24.60	62.60	55.4	0.00	9.89	22	26	8.55	77.55	59.3	.06	8.88
23	15	3.30	77.33	51.5	.07	7.83	24	21	5.53	62.82	45.8	.06	6.91
25	10	6.06	12.60	14.3	0.00	2.27	26	32	9.27	83.11	59.6	.05	9.37
27	15	3.12	76.55	50.0	.04	7.69	28	23	4.23	48.70	35.2	.06	5.34
29	15	13.73	45.92	40.2	.04	6.65	30	9	8.08	55.42	46.6	0.00	6.79
31	15	21.83	65.40	57.8	0.00	9.80	32	8	44.44	112.59	100.4	0.00	17.84
33	10	6.84	13.80	15.2	0.00	2.50	34	22	12.49	75.15	57.8	.03	9.19
35	15	5.13	65.03	40.7	.03	6.79	36	16	8.48	55.26	36.8	.04	6.42
37	15	26.40	65.10	57.3	0.00	10.38	38	18	11.29	69.67	57.2	.04	8.64
39	15	6.40	65.47	42.1	.03	7.05	40	19	12.46	59.52	41.4	.04	7.44
41	10	8.28	13.14	14.9	0.00	2.64	42	25	11.78	78.84	61.0	.05	9.48
43	15	6.02	80.25	56.0	.05	8.58	44	28	8.85	52.16	39.6	.04	6.38
45	10	7.74	13.86	15.6	0.00	2.64	46	15	22.14	82.39	66.5	0.00	11.35
47	15	9.60	58.18	42.5	.04	7.01	48	25	6.12	71.61	54.7	.06	7.96
49	16	3.93	79.16	51.4	.04	8.03	50	18	3.77	49.73	34.7	.05	5.32
51	16	14.25	42.33	37.3	.04	6.36	52	10	12.20	69.31	56.1	.12	8.69
53	10	6.48	14.28	15.7	0.00	2.50	54	38	8.99	81.20	58.3	.04	9.14
55	15	2.88	72.83	50.1	.07	7.41	56	35	8.41	51.14	39.1	.05	6.23
57	10	8.88	12.72	14.8	0.00	2.69	58	18	22.67	83.63	63.6	0.00	11.38
59	15	10.04	58.57	41.6	.04	7.06	60	21	5.63	74.81	54.4	.04	8.10
61	15	3.46	78.66	51.5	.04	7.94	62	14	3.45	51.74	35.5	.06	5.45
63	15	13.16	41.43	36.6	.04	6.12	64	13	12.85	64.69	54.9	.10	8.42
65	12	7.35	13.95	15.4	0.00	2.59							
BAG		8.07	66.56	41.0	.05	7.30							
INTEG		8.56	68.20	50.5	.05	7.88							
0KPH		7.02	12.61	6.9	0.00	2.09	8KPH		56.82	127.85	76.9	.05	19.54
16KPH		32.37	100.26	63.5	.05	13.81	24KPH		19.16	75.40	49.5	.03	9.76
48KPH		4.10	50.67	36.8	.04	5.52	72KPH		4.90	64.56	35.9	.03	6.52
97KPH		2.11	71.32	48.1	.05	7.12							

APPENDIX G

LISTING OF FEDERAL SHORT CYCLE EMISSIONS RESULTS ON INDIVIDUAL VEHICLES

APPENDIX G

LISTING OF FEDERAL SHORT CYCLE EMISSIONS RESULTS
ON INDIVIDUAL VEHICLES

LOS ANGELES

EXHAUST EMISSIONS IN GRAMS PER KILOMETER
FUEL CONSUMPTION IN LITERS PER 100 KILOMETERS

VEHICLE NUMBER	YR	MAKE	MODEL	CCD	HC	CO	CO2	NOXC	FUEL CONS
51	77	HOND	GL1000	999	2.72	12.22	104.2	.53	5.63
56	77	HOND	CB750K	736	1.71	17.25	73.5	.47	4.52
68	77	HOND	CB400F	408	2.33	27.22	46.5	.13	4.12
78	77	HOND	XL175	173	1.20	32.23	32.3	.04	3.70
86	77	YAMA	XS750	743	1.30	29.72	62.7	.17	4.84
87	77	YAMA	XS650	653	.79	21.34	54.6	.17	3.87
88	77	YAMA	XS650	653	.86	16.27	51.4	.27	3.40
89	77	YAMA	XT500	498	1.27	28.94	42.8	.09	3.94
90	77	YAMA	XT500	498	.63	28.23	44.0	.09	3.85
91	77	YAMA	XT500	498	.64	24.60	42.5	.10	3.55
98	77	YAMA	XS360	347	.84	24.06	41.6	.07	3.50
103	77	KAWA	KZ1000	1015	5.63	62.58	227.2	.71	14.65
104	77	KAWA	KZ1000	1015	5.83	93.08	244.3	.45	17.45
105	77	KAWA	KZ1000	1015	4.81	50.92	78.1	.07	7.39
106	77	KAWA	KZ750	745	1.11	24.02	88.1	.41	5.52
107	77	KAWA	KZ650	652	5.17	61.55	72.6	.08	7.92
108	77	KAWA	KZ650	652	5.42	60.97	84.9	.15	8.44
109	77	KAWA	KZ400	398	2.30	68.50	128.6	.27	10.39
110	77	KAWA	KZ400	398	.76	21.71	73.2	.36	4.68
111	77	KAWA	KZ400	398	2.36	75.26	154.6	.32	11.96
112	77	KAWA	KH400	400	15.51	25.09	58.0	.02	6.25
113	77	KAWA	KE175	174	10.03	32.02	29.0	.02	4.74
114	77	KAWA	KE100	99	4.58	17.83	33.6	.02	3.25
115	77	SUZU	GS750	748	5.08	54.00	67.6	.07	7.19
116	77	SUZU	GS550	549	2.65	36.48	59.3	.07	5.33
117	77	SUZU	GS400	398	14.42	70.67	41.6	.04	8.46

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APPENDIX H

LISTING OF NEW YORK/NEW JERSEY SHORT CYCLE EMISSION RESULTS ON INDIVIDUAL VEHICLES

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APPENDIX H

LISTING OF NEW YORK/NEW JERSEY SHORT CYCLE EMISSION RESULTS
ON INDIVIDUAL VEHICLES

LOS ANGELES

EXHAUST EMISSIONS IN GRAMS PER KILOMETER
FUEL CONSUMPTION IN LITERS PER 100 KILOMETERS

VEHICLE NUMBER	YR	MAKE	MODEL	CCD	HC	CO	CO2	NOXC	FUEL CONS
51	77	HOND	GL1000	999	5.19	17.83	127.9	.39	5.97
56	77	HOND	CB750K	736	3.10	30.04	73.4	.28	4.71
68	77	HOND	CB400F	408	3.06	28.19	50.9	.09	4.22
78	77	HOND	XL175	173	1.68	38.08	36.9	.04	3.76
86	77	YAMA	XS750	743	1.57	30.84	71.0	.10	4.88
87	77	YAMA	XS650	653	.86	20.12	66.7	.11	3.88
88	77	YAMA	XS650	653	1.22	20.88	52.9	.16	3.45
89	77	YAMA	XT500	498	2.39	43.02	49.4	.07	4.09
90	77	YAMA	XT500	498	.94	35.84	52.9	.08	3.90
91	77	YAMA	XT500	498	1.25	32.19	55.3	.07	3.63
98	77	YAMA	XS360	347	.83	20.81	59.4	.07	3.50
103	77	KAWA	KZ1000	1015	3.49	31.33	90.7	.14	14.36
104	77	KAWA	KZ1000	1015	3.97	46.58	84.7	.09	17.19
105	77	KAWA	KZ1000	1015	7.24	75.95	108.9	.10	7.72
106	77	KAWA	KZ750	745	1.69	27.14	135.5	.91	5.60
107	77	KAWA	KZ650	652	8.65	74.08	89.6	.06	8.39
108	77	KAWA	KZ650	652	7.66	70.00	99.2	.13	8.74
109	77	KAWA	KZ400	398	.95	27.13	53.4	.07	10.20
110	77	KAWA	KZ400	398	1.06	29.27	90.4	.29	4.72
111	77	KAWA	KZ400	398	.90	22.68	52.4	.09	11.76
112	77	KAWA	KH400	400	17.53	20.87	63.9	.02	6.53
113	77	KAWA	KE175	174	12.93	31.61	36.5	.02	5.13
114	77	KAWA	KE100	99	5.85	16.44	41.6	.02	3.42
115	77	SUZU	GS750	748	7.62	59.08	79.9	.07	7.53
116	77	SUZU	GS550	549	4.43	39.76	68.2	.06	5.57
117	77	SUZU	GS400	398	3.15	34.50	59.4	.10	6.94

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APPENDIX I

LISTING OF TWO-SPEED IDLE EMISSIONS ON INDIVIDUAL VEHICLES

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APPENDIX I

LISTING OF TWO SPEED IDLE EMISSIONS ON INDIVIDUAL VEHICLES

LOS ANGELES

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VEHICLE NUMBER	YR	MAKE	MODEL	CCD	SN	MODE	-- GARAGE INSTRUMENT --- HC,PPMHEX	CO,PCT	NO,PPM	---- LAB INSTRUMENT ---- HC,PPMC	CO,PCT	NOX,PPM
1	77	HOND	GL1000	999	1	4000 RPM	1400.	1.13	-0.	-0.	-0.00	-0.
						IDLE (N)	650.	.38	-0.	-0.	-0.00	-0.
					2	4000 RPM	350.	1.25	-0.	-0.	-0.00	-0.
						IDLE (N)	1125.	.30	-0.	-0.	-0.00	-0.
2	77	HOND	GL1000	999	1	4000 RPM	200.	99.99	-0.	-0.	-0.00	-0.
						IDLE (N)	450.	4.25	-0.	-0.	-0.00	-0.
					2	4000 RPM	99999.	.85	-0.	-0.	-0.00	-0.
						IDLE (N)	99999.	1.70	-0.	-0.	-0.00	-0.
3	77	HOND	GL1000	999	1	4000 RPM	99999.	1.00	-0.	-0.	-0.00	-0.
						IDLE (N)	1050.	99.99	-0.	-0.	-0.00	-0.
					2	4000 RPM	288.	.60	-0.	-0.	-0.00	-0.
						IDLE (N)	800.	4.25	-0.	-0.	-0.00	-0.
4	77	HOND	CB750F	736	1	4000 RPM	200.	3.70	-0.	-0.	-0.00	-0.
						IDLE (N)	1200.	6.40	-0.	-0.	-0.00	-0.
					2	4000 RPM	150.	3.20	-0.	-0.	-0.00	-0.
						IDLE (N)	300.	3.40	-0.	-0.	-0.00	-0.
5	77	HOND	CB750K	736	1	4000 RPM	400.	7.00	-0.	-0.	-0.00	-0.
						IDLE (N)	900.	4.00	-0.	-0.	-0.00	-0.
					2	4000 RPM	250.	8.50	-0.	-0.	-0.00	-0.
						IDLE (N)	113.	4.25	-0.	-0.	-0.00	-0.
6	77	HOND	CB750F	736	1	4000 RPM	400.	2.00	-0.	-0.	-0.00	-0.
						IDLE (N)	1600.	99.99	-0.	-0.	-0.00	-0.
					2	4000 RPM	400.	1.95	-0.	-0.	-0.00	-0.
						IDLE (N)	225.	1.50	-0.	-0.	-0.00	-0.
7	77	HOND	CB750K	736	1	4000 RPM	488.	6.19	-0.	-0.	-0.00	-0.
						IDLE (N)	670.	1.90	-0.	-0.	-0.00	-0.
					2	4000 RPM	113.	4.55	-0.	-0.	-0.00	-0.
						IDLE (N)	256.	1.93	-0.	-0.	-0.00	-0.
8	77	HOND	CB750F	736	1	4000 RPM	175.	3.30	-0.	-0.	-0.00	-0.
						IDLE (N)	350.	3.10	-0.	-0.	-0.00	-0.
					2	4000 RPM	250.	3.00	-0.	-0.	-0.00	-0.
						IDLE (N)	1100.	3.20	-0.	-0.	-0.00	-0.
9	77	HOND	CB750F	736	1	4000 RPM	700.	4.25	-0.	-0.	-0.00	-0.
						IDLE (N)	1300.	4.75	-0.	-0.	-0.00	-0.
					2	4000 RPM	275.	3.90	-0.	-0.	-0.00	-0.
						IDLE (N)	1000.	2.70	-0.	-0.	-0.00	-0.
10	77	HOND	CB550F	544	1	4000 RPM	590.	99.99	-0.	-0.	-0.00	-0.
						IDLE (N)	790.	6.00	-0.	-0.	-0.00	-0.
					2	4000 RPM	750.	99.99	-0.	-0.	-0.00	-0.
						IDLE (N)	450.	3.00	-0.	-0.	-0.00	-0.

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APPENDIX I

LISTING OF TWO SPEED IDLE EMISSIONS
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VEHICLE NUMBER	YR	MAKE	MODEL	CCD	SN	MODE	-- GARAGE INSTRUMENT --- HC,PPMHEX	CO,PCT	NO,PPM	---- LAB INSTRUMENT ---- HC,PPMC	CO,PCT	NOX,PPM
11	77	HOND	CB550F	544	1	4000 RPM	325.	99.99	-0.	-0.	-0.00	-0.
						IDLE (N)	350.	8.00	-0.	-0.	-0.00	-0.
					2	4000 RPM	500.	99.99	-0.	-0.	-0.00	-0.
						IDLE (N)	750.	7.00	-0.	-0.	-0.00	-0.
12	77	HOND	CB550K	544	1	4000 RPM	56.	4.13	-0.	-0.	-0.00	-0.
						IDLE (N)	138.	2.63	-0.	-0.	-0.00	-0.
					2	4000 RPM	550.	3.63	-0.	-0.	-0.00	-0.
						IDLE (N)	394.	.50	-0.	-0.	-0.00	-0.
13	77	HOND	CB400F	408	1	4000 RPM	450.	8.25	-0.	-0.	-0.00	-0.
						IDLE (N)	1100.	4.25	-0.	-0.	-0.00	-0.
					2	4000 RPM	300.	3.59	-0.	-0.	-0.00	-0.
						IDLE (N)	525.	3.19	-0.	-0.	-0.00	-0.
14	78	HOND	CB400T2	395	1	4000 RPM	125.	4.00	-0.	-0.	-0.00	-0.
						IDLE (N)	55.	.15	-0.	-0.	-0.00	-0.
					2	4000 RPM	150.	5.70	-0.	-0.	-0.00	-0.
						IDLE (N)	225.	2.75	-0.	-0.	-0.00	-0.
15	77	HOND	CB550K	544	1	4000 RPM	131.	3.25	-0.	-0.	-0.00	-0.
						IDLE (N)	143.	2.31	-0.	-0.	-0.00	-0.
					2	4000 RPM	100.	1.75	-0.	-0.	-0.00	-0.
						IDLE (N)	125.	1.00	-0.	-0.	-0.00	-0.
18	78	HOND	XL175	173	1	4000 RPM	150.	3.00	-0.	-0.	-0.00	-0.
						IDLE (N)	110.	1.25	-0.	-0.	-0.00	-0.
					2	4000 RPM	175.	3.50	-0.	-0.	-0.00	-0.
						IDLE (N)	325.	3.90	-0.	-0.	-0.00	-0.
19	77	HOND	CT90	89	1	4000 RPM	-0.	-0.00	-0.	-0.	-0.00	-0.
						IDLE (N)	390.	99.99	-0.	-0.	-0.00	-0.
					2	4000 RPM	75.	2.10	-0.	-0.	-0.00	-0.
						IDLE (N)	75.	2.20	-0.	-0.	-0.00	-0.
20	77	HOND	CT125	124	1	4000 RPM	150.	5.20	-0.	-0.	-0.00	-0.
						IDLE (N)	300.	6.00	-0.	-0.	-0.00	-0.
					2	4000 RPM	150.	99.99	-0.	-0.	-0.00	-0.
						IDLE (N)	200.	9.00	-0.	-0.	-0.00	-0.
21	77	HOND	CT90	89	1	4000 RPM	400.	6.00	-0.	-0.	-0.00	-0.
						IDLE (N)	240.	3.50	-0.	-0.	-0.00	-0.
					2	4000 RPM	375.	6.60	-0.	-0.	-0.00	-0.
						IDLE (N)	700.	.50	-0.	-0.	-0.00	-0.
22	77	HOND	CT90	89	1	4000 RPM	450.	99.99	-0.	-0.	-0.00	-0.
						IDLE (N)	900.	99.99	-0.	-0.	-0.00	-0.
					2	4000 RPM	50.	.10	-0.	-0.	-0.00	-0.
						IDLE (N)	75.	.50	-0.	-0.	-0.00	-0.

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23	77	HOND	XL75	74	1	4000 RPM	850.	99.99	-0.	-0.	-0.00	-0.
						IDLE (N)	950.	8.50	-0.	-0.	-0.00	-0.
					2	4000 RPM	100.	2.80	-0.	-0.	-0.00	-0.
						IDLE (N)	50.	1.00	-0.	-0.	-0.00	-0.
24	77	HOND	CT70	72	1	4000 RPM	50.	.20	-0.	-0.	-0.00	-0.
						IDLE (N)	100.	1.40	-0.	-0.	-0.00	-0.
					2	4000 RPM	150.	.20	-0.	-0.	-0.00	-0.
						IDLE (N)	85.	.65	-0.	-0.	-0.00	-0.
25	77	YAMA	XS7502D	743	1	4000 RPM	165.	99.99	-0.	-0.	-0.00	-0.
						IDLE (N)	580.	.90	-0.	-0.	-0.00	-0.
					2	4000 RPM	350.	7.00	-0.	-0.	-0.00	-0.
						IDLE (N)	1000.	1.75	-0.	-0.	-0.00	-0.
26	77	YAMA	XS650D	653	1	4000 RPM	200.	8.00	-0.	-0.	-0.00	-0.
						IDLE (N)	195.	3.50	-0.	-0.	-0.00	-0.
					2	4000 RPM	113.	5.60	-0.	-0.	-0.00	-0.
						IDLE (N)	200.	1.25	-0.	-0.	-0.00	-0.
28	77	YAMA	XT500D	498	1	4000 RPM	100.	3.00	-0.	-0.	-0.00	-0.
						IDLE (N)	50.	2.20	-0.	-0.	-0.00	-0.
					2	4000 RPM	50.	2.00	-0.	-0.	-0.00	-0.
						IDLE (N)	50.	2.00	-0.	-0.	-0.00	-0.
36	77	KAWA	KZ1000	1015	1	4000 RPM	225.	5.50	-0.	-0.	-0.00	-0.
						IDLE (N)	1000.	2.80	-0.	-0.	-0.00	-0.
					2	4000 RPM	275.	4.75	-0.	-0.	-0.00	-0.
						IDLE (N)	800.	2.60	-0.	-0.	-0.00	-0.
38	77	KAWA	KZ750B	745	1	4000 RPM	275.	99.99	-0.	-0.	-0.00	-0.
						IDLE (N)	588.	2.03	-0.	-0.	-0.00	-0.
					2	4000 RPM	325.	99.99	-0.	-0.	-0.00	-0.
						IDLE (N)	413.	1.63	-0.	-0.	-0.00	-0.
39	77	KAWA	KZ650C1	652	1	4000 RPM	700.	6.60	-0.	-0.	-0.00	-0.
						IDLE (N)	200.	1.60	-0.	-0.	-0.00	-0.
					2	4000 RPM	650.	7.25	-0.	-0.	-0.00	-0.
						IDLE (N)	950.	2.25	-0.	-0.	-0.00	-0.
40	77	KAWA	KZ650B1	652	1	4000 RPM	99999.	99.99	-0.	-0.	-0.00	-0.
						IDLE (N)	1138.	6.20	-0.	-0.	-0.00	-0.
					2	4000 RPM	750.	9.15	-0.	-0.	-0.00	-0.
						IDLE (N)	500.	2.80	-0.	-0.	-0.00	-0.
41	78	KAWA	KZ650C	652	1	4000 RPM	538.	99.99	-0.	-0.	-0.00	-0.
						IDLE (N)	99999.	5.70	-0.	-0.	-0.00	-0.
					2	4000 RPM	263.	8.55	-0.	-0.	-0.00	-0.
						IDLE (N)	513.	3.30	-0.	-0.	-0.00	-0.

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44	77	SUZU	GS750B	748	1	4000 RPM	813.	7.50	-0.	-0.	-0.00	-0.
						IDLE (N)	288.	3.75	-0.	-0.	-0.00	-0.
					2	4000 RPM	950.	3.00	-0.	-0.	-0.00	-0.
						IDLE (N)	138.	1.30	-0.	-0.	-0.00	-0.
45	77	SUZU	GS550	549	1	4000 RPM	99999.	4.45	-0.	-0.	-0.00	-0.
						IDLE (N)	99999.	3.65	-0.	-0.	-0.00	-0.
					2	4000 RPM	350.	6.10	-0.	-0.	-0.00	-0.
						IDLE (N)	625.	2.60	-0.	-0.	-0.00	-0.
46	77	SUZU	GS550	549	1	4000 RPM	175.	3.20	-0.	-0.	-0.00	-0.
						IDLE (N)	350.	1.20	-0.	-0.	-0.00	-0.
					2	4000 RPM	133.	1.10	-0.	-0.	-0.00	-0.
						IDLE (N)	363.	2.55	-0.	-0.	-0.00	-0.
47	77	SUZU	GS400B	398	1	4000 RPM	150.	4.25	-0.	-0.	-0.00	-0.
						IDLE (N)	250.	1.10	-0.	-0.	-0.00	-0.
					2	4000 RPM	80.	1.50	-0.	-0.	-0.00	-0.
						IDLE (N)	235.	.28	-0.	-0.	-0.00	-0.
51	77	HOND	GL1000	999	1	4000 RPM	497.	1.37	278.	6020.	.64	186.
						IDLE (N)	985.	2.63	176.	10053.	1.53	64.
52	77	HOND	GL1000	999	1	4000 RPM	200.	1.00	-0.	-0.	-0.00	-0.
						IDLE (N)	338.	2.13	-0.	-0.	-0.00	-0.
					2	4000 RPM	375.	2.00	-0.	-0.	-0.00	-0.
						IDLE (N)	525.	.45	-0.	-0.	-0.00	-0.
53	77	HOND	GL1000	999	1	4000 RPM	250.	.38	-0.	-0.	-0.00	-0.
						IDLE (N)	413.	1.18	-0.	-0.	-0.00	-0.
					2	4000 RPM	125.	.30	-0.	-0.	-0.00	-0.
						IDLE (N)	458.	7.60	-0.	-0.	-0.00	-0.
54	77	HOND	GL1000	999	1	4000 RPM	500.	1.25	-0.	-0.	-0.00	-0.
						IDLE (N)	1150.	1.45	-0.	-0.	-0.00	-0.
					2	4000 RPM	475.	2.15	-0.	-0.	-0.00	-0.
						IDLE (N)	190.	.60	-0.	-0.	-0.00	-0.
56	77	HOND	CB750K	736	1	4000 RPM	776.	7.40	249.	14008.	6.65	45.
						IDLE (N)	336.	5.91	273.	5779.	4.69	74.
57	77	HOND	CB750K	736	1	4000 RPM	-0.	-0.00	-0.	-0.	-0.00	-0.
						IDLE (N)	669.	4.97	153.	13930.	4.96	42.
58	77	HOND	CB750K	736	1	4000 RPM	-0.	-0.00	-0.	-0.	-0.00	-0.
						IDLE (N)	500.	4.74	253.	6485.	2.89	82.
59	77	HOND	CB750K	736	1	4000 RPM	325.	3.23	-0.	-0.	-0.00	-0.
						IDLE (N)	420.	2.65	-0.	-0.	-0.00	-0.
					2	4000 RPM	306.	1.20	-0.	-0.	-0.00	-0.
						IDLE (N)	219.	.64	-0.	-0.	-0.00	-0.

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60	77	HOND	CB750F	736	1	4000 RPM	-0.	-0.00	-0.	-0.	-0.00	-0.
						IDLE (N)	409.	6.50	137.	11379.	7.05	41.
					2	4000 RPM	200.	5.00	-0.	-0.	-0.00	-0.
						IDLE (N)	250.	2.80	-0.	-0.	-0.00	-0.
61	77	HOND	CB750K	736	1	4000 RPM	253.	7.78	-0.	-0.	-0.00	-0.
						IDLE (N)	744.	1.78	-0.	-0.	-0.00	-0.
					2	4000 RPM	125.	6.98	-0.	-0.	-0.00	-0.
						IDLE (N)	106.	1.00	-0.	-0.	-0.00	-0.
62	77	HOND	CB750F	736	1	4000 RPM	1100.	5.50	-0.	-0.	-0.00	-0.
						IDLE (N)	1200.	4.10	-0.	-0.	-0.00	-0.
					2	4000 RPM	175.	4.30	-0.	-0.	-0.00	-0.
						IDLE (N)	475.	2.00	-0.	-0.	-0.00	-0.
63	77	HOND	CB750F	736	1	4000 RPM	450.	.30	-0.	-0.	-0.00	-0.
						IDLE (N)	200.	.90	-0.	-0.	-0.00	-0.
					2	4000 RPM	250.	3.00	-0.	-0.	-0.00	-0.
						IDLE (N)	225.	3.50	-0.	-0.	-0.00	-0.
64	77	HOND	CB550F	544	1	4000 RPM	-0.	-0.00	-0.	-0.	-0.00	-0.
						IDLE (N)	1221.	6.64	126.	8199.	5.41	29.
65	77	HOND	CB550K	544	1	4000 RPM	131.	4.35	-0.	-0.	-0.00	-0.
						IDLE (N)	200.	2.85	-0.	-0.	-0.00	-0.
					2	4000 RPM	113.	2.06	-0.	-0.	-0.00	-0.
						IDLE (N)	181.	3.25	-0.	-0.	-0.00	-0.
66	77	HOND	CB550F	544	1	4000 RPM	1400.	99.99	-0.	-0.	-0.00	-0.
						IDLE (N)	1100.	99.99	-0.	-0.	-0.00	-0.
					2	4000 RPM	800.	99.99	-0.	-0.	-0.00	-0.
						IDLE (N)	1000.	8.00	-0.	-0.	-0.00	-0.
67	77	HOND	CB550F	544	1	4000 RPM	625.	99.99	-0.	-0.	-0.00	-0.
						IDLE (N)	600.	9.50	-0.	-0.	-0.00	-0.
					2	4000 RPM	600.	99.99	-0.	-0.	-0.00	-0.
						IDLE (N)	550.	9.50	-0.	-0.	-0.00	-0.
68	77	HOND	CB400F	408	1	4000 RPM	1725.	8.15	167.	17749.	7.93	56.
						IDLE (N)	1032.	5.99	142.	13073.	4.64	41.
69	77	HOND	CB400F	408	1	4000 RPM	-0.	-0.00	-0.	-0.	-0.00	-0.
						IDLE (N)	757.	5.34	211.	5260.	3.67	27.
70	77	HOND	CB400F	408	1	4000 RPM	200.	5.00	-0.	-0.	-0.00	-0.
						IDLE (N)	300.	3.50	-0.	-0.	-0.00	-0.
					2	4000 RPM	200.	3.50	-0.	-0.	-0.00	-0.
						IDLE (N)	700.	2.50	-0.	-0.	-0.00	-0.
71	77	HOND	CB400F	408	1	4000 RPM	-0.	-0.00	-0.	-0.	-0.00	-0.
						IDLE (N)	470.	2.60	213.	7841.	3.59	43.
72	77	HOND	XL350	348	1	4000 RPM	200.	9.50	-0.	-0.	-0.00	-0.
						IDLE (N)	75.	1.30	-0.	-0.	-0.00	-0.

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VEHICLE NUMBER	YR	MAKE	MODEL	CCD	SN	MODE	-- GARAGE INSTRUMENT --- HC,PPMHEX	CO,PCT	NO,PPM	---- LAB INSTRUMENT ---- HC,PPMC	CO,PCT	NOX,PPM
73	78	HOND	CB400T1	395	1	4000 RPM	88.	3.95	-0.	-0.	-0.00	-0.
						IDLE (N)	388.	8.70	-0.	-0.	-0.00	-0.
					2	4000 RPM	88.	.70	-0.	-0.	-0.00	-0.
						IDLE (N)	313.	2.50	-0.	-0.	-0.00	-0.
74	78	HOND	CB400T2	395	1	4000 RPM	125.	4.30	-0.	-0.	-0.00	-0.
						IDLE (N)	170.	2.13	-0.	-0.	-0.00	-0.
					2	4000 RPM	118.	4.00	-0.	-0.	-0.00	-0.
						IDLE (N)	148.	1.83	-0.	-0.	-0.00	-0.
75	78	HOND	CB400A	395	1	4000 RPM	83.	3.30	-0.	-0.	-0.00	-0.
						IDLE (N)	68.	.63	-0.	-0.	-0.00	-0.
					2	4000 RPM	63.	2.00	-0.	-0.	-0.00	-0.
						IDLE (N)	205.	3.20	-0.	-0.	-0.00	-0.
76	78	HOND	CB400A	395	1	4000 RPM	58.	2.95	-0.	-0.	-0.00	-0.
						IDLE (N)	78.	0.00	-0.	-0.	-0.00	-0.
					2	4000 RPM	650.	2.25	-0.	-0.	-0.00	-0.
						IDLE (N)	300.	1.30	-0.	-0.	-0.00	-0.
78	77	HOND	XL175	173	1	4000 RPM	613.	8.91	132.	18188.	9.64	37.
						IDLE (N)	258.	5.92	100.	7984.	4.47	24.
79	77	HOND	CT125	124	1	4000 RPM	99999.	99.99	-0.	-0.	-0.00	-0.
						IDLE (N)	300.	9.00	-0.	-0.	-0.00	-0.
					2	4000 RPM	300.	1.00	-0.	-0.	-0.00	-0.
						IDLE (N)	175.	1.50	-0.	-0.	-0.00	-0.
81	78	HOND	XL125	124	1	4000 RPM	100.	2.95	-0.	-0.	-0.00	-0.
						IDLE (N)	300.	3.00	-0.	-0.	-0.00	-0.
					2	4000 RPM	625.	99.99	-0.	-0.	-0.00	-0.
						IDLE (N)	675.	5.10	-0.	-0.	-0.00	-0.
82	77	HOND	CT90	89	1	4000 RPM	-0.	-0.00	-0.	-0.	-0.00	-0.
						IDLE (N)	338.	6.17	197.	5490.	4.39	27.
83	77	HOND	CT90	89	1	4000 RPM	-0.	-0.00	-0.	-0.	-0.00	-0.
						IDLE (N)	292.	2.22	195.	3308.	1.22	43.
84	77	HOND	XL75	74	1	4000 RPM	500.	99.99	-0.	-0.	-0.00	-0.
						IDLE (N)	450.	9.00	-0.	-0.	-0.00	-0.
85	77	HOND	CT70	72	1	4000 RPM	-0.	-0.00	-0.	-0.	-0.00	-0.
						IDLE (N)	274.	1.01	132.	3036.	.50	63.
86	77	YAMA	XS750	743	1	4000 RPM	785.	8.64	144.	15347.	9.12	39.
						IDLE (N)	345.	5.73	127.	6895.	4.36	36.
87	77	YAMA	XS650	653	1	4000 RPM	177.	7.71	159.	4014.	6.56	70.
						IDLE (N)	154.	5.27	117.	2857.	3.56	33.
88	77	YAMA	XS650	653	1	4000 RPM	256.	7.26	140.	5416.	6.51	57.
						IDLE (N)	467.	5.75	103.	6263.	4.38	29.
89	77	YAMA	XT500	498	1	4000 RPM	463.	8.37	133.	14614.	7.56	45.
						IDLE (N)	250.	7.27	109.	7491.	5.79	29.

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90	77	YAMA	XT500	498	1	4000 RPM	504.	8.78	176.	12404.	8.93	31.
						IDLE (N)	178.	6.42	164.	4680.	4.96	33.
91	77	YAMA	XT500	498	1	4000 RPM	228.	7.65	179.	7064.	7.02	43.
						IDLE (N)	132.	4.71	144.	3295.	3.30	25.
92	77	YAMA	RD400D	400	1	4000 RPM	99999.	2.95	-0.	-0.	-0.00	-0.
						IDLE (N)	99999.	2.35	-0.	-0.	-0.00	-0.
					2	4000 RPM	99999.	3.65	-0.	-0.	-0.00	-0.
						IDLE (N)	99999.	1.90	-0.	-0.	-0.00	-0.
93	77	YAMA	DT400	400	1	4000 RPM	200.	1.00	-0.	-0.	-0.00	-0.
						IDLE (N)	600.	.50	-0.	-0.	-0.00	-0.
94	77	YAMA	RD400D	400	1	4000 RPM	1850.	4.00	-0.	-0.	-0.00	-0.
						IDLE (N)	1875.	4.05	-0.	-0.	-0.00	-0.
					2	4000 RPM	1875.	2.35	-0.	-0.	-0.00	-0.
						IDLE (N)	1888.	2.25	-0.	-0.	-0.00	-0.
95	77	YAMA	XS400	391	1	4000 RPM	200.	6.85	-0.	-0.	-0.00	-0.
						IDLE (N)	425.	4.75	-0.	-0.	-0.00	-0.
					2	4000 RPM	138.	6.60	-0.	-0.	-0.00	-0.
						IDLE (N)	223.	3.30	-0.	-0.	-0.00	-0.
96	77	YAMA	XS400D	391	1	4000 RPM	200.	5.80	-0.	-0.	-0.00	-0.
						IDLE (N)	188.	2.30	-0.	-0.	-0.00	-0.
					2	4000 RPM	163.	5.15	-0.	-0.	-0.00	-0.
						IDLE (N)	313.	4.50	-0.	-0.	-0.00	-0.
97	77	YAMA	XS400	391	1	4000 RPM	175.	7.60	-0.	-0.	-0.00	-0.
						IDLE (N)	230.	4.30	-0.	-0.	-0.00	-0.
					2	4000 RPM	225.	99.99	-0.	-0.	-0.00	-0.
						IDLE (N)	413.	3.38	-0.	-0.	-0.00	-0.
98	77	YAMA	XS360	347	1	4000 RPM	412.	9.13	189.	14673.	9.57	32.
						IDLE (N)	95.	2.32	207.	1755.	1.30	65.
99	77	YAMA	DT250D	246	1	4000 RPM	99999.	9.50	-0.	-0.	-0.00	-0.
						IDLE (N)	99999.	6.40	-0.	-0.	-0.00	-0.
					2	4000 RPM	1875.	4.10	-0.	-0.	-0.00	-0.
						IDLE (N)	1500.	2.60	-0.	-0.	-0.00	-0.
100	77	YAMA	DT100	97	1	4000 RPM	99999.	3.10	-0.	-0.	-0.00	-0.
						IDLE (N)	99999.	2.00	-0.	-0.	-0.00	-0.
					2	4000 RPM	99999.	2.10	-0.	-0.	-0.00	-0.
						IDLE (N)	99999.	2.30	-0.	-0.	-0.00	-0.
101	77	YAMA	LB80JAD	73	1	4000 RPM	99999.	.31	-0.	-0.	-0.00	-0.
						IDLE (N)	99999.	1.35	-0.	-0.	-0.00	-0.
					2	4000 RPM	99999.	.25	-0.	-0.	-0.00	-0.
						IDLE (N)	99999.	2.00	-0.	-0.	-0.00	-0.
102	77	YAMA	LB80JAD	73	1	4000 RPM	99999.	.80	-0.	-0.	-0.00	-0.
						IDLE (N)	99999.	1.20	-0.	-0.	-0.00	-0.
					2	4000 RPM	1850.	.20	-0.	-0.	-0.00	-0.
						IDLE (N)	1125.	.20	-0.	-0.	-0.00	-0.

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103	77	KAWA	KZ1000	1015	1	4000 RPM	1218.	7.70	277.	11613.	6.20	72.
						IDLE (N)	1717.	6.44	247.	11872.	4.40	52.
104	77	KAWA	KZ1000	1015	1	4000 RPM	443.	7.99	184.	7135.	6.70	72.
						IDLE (N)	897.	7.20	155.	9658.	5.60	46.
105	77	KAWA	KZ1000	1015	1	4000 RPM	99999.	8.99	175.	99999.	8.82	54.
						IDLE (N)	99999.	6.08	158.	99999.	4.31	47.
106	77	KAWA	KZ750	745	1	4000 RPM	242.	8.09	173.	4574.	7.16	70.
						IDLE (N)	186.	3.02	144.	1922.	1.71	49.
107	77	KAWA	KZ650	652	1	4000 RPM	99999.	10.14	171.	99999.	11.48	41.
						IDLE (N)	99999.	9.15	161.	99999.	9.13	37.
108	77	KAWA	KZ650	652	1	4000 RPM	99999.	9.26	152.	99999.	9.43	40.
						IDLE (N)	99999.	6.86	123.	99999.	5.29	33.
110	77	KAWA	KZ400	398	1	4000 RPM	202.	8.17	141.	4190.	7.39	73.
						IDLE (N)	136.	5.45	122.	2000.	3.81	61.
112	77	KAWA	KH400	400	1	4000 RPM	99999.	4.05	144.	99999.	2.46	9.
						IDLE (N)	99999.	1.77	121.	99999.	.85	5.
113	77	KAWA	KE175	174	1	4000 RPM	99999.	6.56	537.	99999.	4.95	9.
						IDLE (N)	99999.	3.65	479.	99999.	2.23	4.
115	77	SUZU	GS750	748	1	4000 RPM	2800.	9.72	172.	20928.	10.91	53.
						IDLE (N)	1069.	7.92	137.	9506.	7.16	48.
116	77	SUZU	GS550	549	1	4000 RPM	763.	9.40	255.	9585.	9.94	48.
						IDLE (N)	1081.	7.95	274.	9172.	7.01	42.
117	77	SUZU	GS400	398	1	4000 RPM	275.	7.40	256.	4116.	6.47	50.
						IDLE (N)	248.	5.82	239.	2578.	4.39	36.
119	77	SUZU	GT185	184	1	4000 RPM	99999.	2.75	-0.	-0.	-0.00	-0.
						IDLE (N)	99999.	2.10	-0.	-0.	-0.00	-0.
					2	4000 RPM	99999.	2.13	-0.	-0.	-0.00	-0.
						IDLE (N)	99999.	2.00	-0.	-0.	-0.00	-0.
120	78	SUZU	GS550E	549	1	4000 RPM	99999.	99.99	-0.	-0.	-0.00	-0.
						IDLE (N)	99999.	99.99	-0.	-0.	-0.00	-0.
					2	4000 RPM	800.	9.75	-0.	-0.	-0.00	-0.
						IDLE (N)	650.	5.70	-0.	-0.	-0.00	-0.
121	78	SUZU	GS550E	549	1	4000 RPM	99999.	99.99	-0.	-0.	-0.00	-0.
						IDLE (N)	913.	4.85	-0.	-0.	-0.00	-0.
					2	4000 RPM	325.	9.95	-0.	-0.	-0.00	-0.
						IDLE (N)	463.	5.65	-0.	-0.	-0.00	-0.
125	77	BMW	R100S	980	1	4000 RPM	400.	99.99	-0.	-0.	-0.00	-0.
						IDLE (N)	325.	5.15	-0.	-0.	-0.00	-0.
					2	4000 RPM	175.	8.75	-0.	-0.	-0.00	-0.
						IDLE (N)	300.	7.65	-0.	-0.	-0.00	-0.

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126	78	HOND	GL1000	999	1	4000 RPM	800.	.30	-0.	-0.	-0.00	-0.
						IDLE (N)	99999.	.20	-0.	-0.	-0.00	-0.
127	78	HOND	GL1000	999	1	4000 RPM	95.	.20	-0.	-0.	-0.00	-0.
						IDLE (N)	175.	.60	-0.	-0.	-0.00	-0.
					2	4000 RPM	225.	.53	-0.	-0.	-0.00	-0.
						IDLE (N)	500.	.80	-0.	-0.	-0.00	-0.
129	78	HOND	CB750K	736	1	4000 RPM	109.	1.85	-0.	-0.	-0.00	-0.
						IDLE (N)	284.	2.60	-0.	-0.	-0.00	-0.
					2	4000 RPM	144.	1.79	-0.	-0.	-0.00	-0.
						IDLE (N)	418.	2.63	-0.	-0.	-0.00	-0.
130	78	HOND	CB750K	736	1	4000 RPM	406.	3.28	-0.	-0.	-0.00	-0.
						IDLE (N)	769.	3.33	-0.	-0.	-0.00	-0.
					2	4000 RPM	156.	2.81	-0.	-0.	-0.00	-0.
						IDLE (N)	281.	2.63	-0.	-0.	-0.00	-0.
134	78	HOND	CX500	500	1	4000 RPM	48.	2.80	-0.	-0.	-0.00	-0.
						IDLE (N)	125.	1.48	-0.	-0.	-0.00	-0.
135	78	HOND	CX500	500	1	4000 RPM	100.	2.85	-0.	-0.	-0.00	-0.
						IDLE (N)	288.	3.60	-0.	-0.	-0.00	-0.
136	78	HOND	CX500	500	1	4000 RPM	115.	1.75	-0.	-0.	-0.00	-0.
						IDLE (N)	500.	2.10	-0.	-0.	-0.00	-0.
					2	4000 RPM	138.	2.20	-0.	-0.	-0.00	-0.
						IDLE (N)	375.	2.20	-0.	-0.	-0.00	-0.
137	78	HOND	CX500	500	1	4000 RPM	100.	4.10	-0.	-0.	-0.00	-0.
						IDLE (N)	250.	3.85	-0.	-0.	-0.00	-0.
					2	4000 RPM	113.	3.05	-0.	-0.	-0.00	-0.
						IDLE (N)	283.	2.70	-0.	-0.	-0.00	-0.
138	78	HOND	CX500	500	1	4000 RPM	150.	2.00	-0.	-0.	-0.00	-0.
						IDLE (N)	400.	4.73	-0.	-0.	-0.00	-0.
139	78	HOND	XL250S	249	1	4000 RPM	25.	1.80	-0.	-0.	-0.00	-0.
						IDLE (N)	75.	.80	-0.	-0.	-0.00	-0.
140	78	HOND	XL250S	249	1	4000 RPM	50.	3.30	-0.	-0.	-0.00	-0.
						IDLE (N)	120.	2.40	-0.	-0.	-0.00	-0.
					2	4000 RPM	70.	3.50	-0.	-0.	-0.00	-0.
						IDLE (N)	50.	1.75	-0.	-0.	-0.00	-0.
141	78	HOND	XL250S	249	1	4000 RPM	0.	.50	-0.	-0.	-0.00	-0.
						IDLE (N)	25.	.30	-0.	-0.	-0.00	-0.
					2	4000 RPM	100.	5.00	-0.	-0.	-0.00	-0.
						IDLE (N)	100.	2.00	-0.	-0.	-0.00	-0.
142	78	HOND	CM185T	180	1	4000 RPM	188.	1.60	-0.	-0.	-0.00	-0.
						IDLE (N)	225.	1.90	-0.	-0.	-0.00	-0.
143	78	HOND	CM185T	180	1	4000 RPM	238.	2.25	-0.	-0.	-0.00	-0.
						IDLE (N)	325.	2.60	-0.	-0.	-0.00	-0.
					2	4000 RPM	180.	3.60	-0.	-0.	-0.00	-0.
						IDLE (N)	675.	5.55	-0.	-0.	-0.00	-0.

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155	78	YAMA	XS4002E	391	1	4000 RPM	0.	.05	-0.	-0.	-0.00	-0.
						IDLE (N)	5.	.16	-0.	-0.	-0.00	-0.
158	78	KAWA	KZ1000	1015	1	4000 RPM	200.	6.10	-0.	-0.	-0.00	-0.
						IDLE (N)	285.	5.15	-0.	-0.	-0.00	-0.
					2	4000 RPM	188.	6.60	-0.	-0.	-0.00	-0.
						IDLE (N)	213.	4.55	-0.	-0.	-0.00	-0.
159	78	KAWA	KZ1000B2	1015	1	4000 RPM	175.	3.35	-0.	-0.	-0.00	-0.
						IDLE (N)	688.	4.55	-0.	-0.	-0.00	-0.
					2	4000 RPM	200.	4.20	-0.	-0.	-0.00	-0.
						IDLE (N)	650.	4.65	-0.	-0.	-0.00	-0.
160	78	KAWA	KZ650B	652	1	4000 RPM	155.	3.80	-0.	-0.	-0.00	-0.
						IDLE (N)	513.	1.88	-0.	-0.	-0.00	-0.
					2	4000 RPM	105.	2.75	-0.	-0.	-0.00	-0.
						IDLE (N)	263.	1.53	-0.	-0.	-0.00	-0.
161	78	KAWA	KZ650B	652	1	4000 RPM	1950.	.25	-0.	-0.	-0.00	-0.
						IDLE (N)	1600.	.15	-0.	-0.	-0.00	-0.
162	78	KAWA	KZ650	652	1	4000 RPM	163.	3.65	-0.	-0.	-0.00	-0.
						IDLE (N)	575.	3.65	-0.	-0.	-0.00	-0.
					2	4000 RPM	110.	1.80	-0.	-0.	-0.00	-0.
						IDLE (N)	183.	.75	-0.	-0.	-0.00	-0.
163	78	KAWA	KZ1000	1015	1	4000 RPM	180.	1.60	-0.	-0.	-0.00	-0.
						IDLE (N)	600.	6.60	-0.	-0.	-0.00	-0.
164	78	KAWA	KZ1000A2	1015	1	4000 RPM	150.	1.28	-0.	-0.	-0.00	-0.
						IDLE (N)	425.	1.75	-0.	-0.	-0.00	-0.
					2	4000 RPM	188.	3.30	-0.	-0.	-0.00	-0.
						IDLE (N)	388.	3.65	-0.	-0.	-0.00	-0.
165	78	KAWA	KZ1000	1015	1	4000 RPM	600.	3.50	-0.	-0.	-0.00	-0.
						IDLE (N)	1325.	3.25	-0.	-0.	-0.00	-0.
166	78	KAWA	KZ650B2A	652	1	4000 RPM	225.	5.38	-0.	-0.	-0.00	-0.
						IDLE (N)	520.	2.25	-0.	-0.	-0.00	-0.
167	78	KAWA	KZ650B	652	1	4000 RPM	225.	4.00	-0.	-0.	-0.00	-0.
						IDLE (N)	550.	4.20	-0.	-0.	-0.00	-0.
168	78	KAWA	KZ650B	652	1	4000 RPM	195.	4.25	-0.	-0.	-0.00	-0.
						IDLE (N)	240.	2.50	-0.	-0.	-0.00	-0.
					2	4000 RPM	218.	4.55	-0.	-0.	-0.00	-0.
						IDLE (N)	570.	3.65	-0.	-0.	-0.00	-0.
169	78	KAWA	KZ650D	652	1	4000 RPM	200.	5.00	-0.	-0.	-0.00	-0.
						IDLE (N)	375.	1.75	-0.	-0.	-0.00	-0.
170	78	KAWA	KZ650B	652	1	4000 RPM	208.	3.50	-0.	-0.	-0.00	-0.
						IDLE (N)	250.	.33	-0.	-0.	-0.00	-0.
					2	4000 RPM	150.	3.60	-0.	-0.	-0.00	-0.
						IDLE (N)	370.	2.10	-0.	-0.	-0.00	-0.
171	78	KAWA	KZ650D1	652	1	4000 RPM	1038.	8.40	-0.	-0.	-0.00	-0.
						IDLE (N)	99999.	3.55	-0.	-0.	-0.00	-0.

APPENDIX I

LISTING OF TWO SPEED IDLE EMISSIONS
ON INDIVIDUAL VEHICLES

LOS ANGELES

MINUS ZERO INDICATES NO DATA COLLECTED
99999 OR 99.99 INDICATES DATA OFF SCALE OR VOID
SN=1, AS RECEIVED; SN=2, AFTER REST. MAINT.

VEHICLE NUMBER	YR	MAKE	MODEL	CCD	SN	MODE	-- GARAGE INSTRUMENT --- HC,PPMHEX	CO,PCT	NO,PPM	---- LAB INSTRUMENT ---- HC,PPMC	CO,PCT	NOX,PPM
172	78	KAWA	KZ650B2	652	1	4000 RPM	288.	7.15	-0.	-0.	-0.00	-0.
						IDLE (N)	338.	5.40	-0.	-0.	-0.00	-0.
					2	4000 RPM	250.	5.00	-0.	-0.	-0.00	-0.
						IDLE (N)	225.	1.63	-0.	-0.	-0.00	-0.
173	78	KAWA	KZ650B	652	1	4000 RPM	288.	4.15	-0.	-0.	-0.00	-0.
						IDLE (N)	375.	3.45	-0.	-0.	-0.00	-0.
					2	4000 RPM	133.	3.14	-0.	-0.	-0.00	-0.
						IDLE (N)	363.	2.60	-0.	-0.	-0.00	-0.
174	78	KAWA	KZ650B	652	1	4000 RPM	263.	5.50	-0.	-0.	-0.00	-0.
						IDLE (N)	145.	.15	-0.	-0.	-0.00	-0.
176	78	SUZU	GS1000E	997	1	4000 RPM	300.	2.63	-0.	-0.	-0.00	-0.
						IDLE (N)	99999.	2.13	-0.	-0.	-0.00	-0.
177	78	SUZU	GS1000	997	1	4000 RPM	275.	2.20	-0.	-0.	-0.00	-0.
						IDLE (N)	315.	1.15	-0.	-0.	-0.00	-0.
182	78	SUZU	GS750E	748	1	4000 RPM	400.	6.95	-0.	-0.	-0.00	-0.
						IDLE (N)	550.	6.00	-0.	-0.	-0.00	-0.
185	78	SUZU	GS550E	549	1	4000 RPM	168.	3.35	-0.	-0.	-0.00	-0.
						IDLE (N)	350.	2.95	-0.	-0.	-0.00	-0.
					2	4000 RPM	225.	4.70	-0.	-0.	-0.00	-0.
						IDLE (N)	375.	3.30	-0.	-0.	-0.00	-0.
187	78	SUZU	GS400	398	1	4000 RPM	50.	2.75	-0.	-0.	-0.00	-0.
						IDLE (N)	45.	1.05	-0.	-0.	-0.00	-0.
					2	4000 RPM	63.	2.13	-0.	-0.	-0.00	-0.
						IDLE (N)	150.	1.70	-0.	-0.	-0.00	-0.
188	78	SUZU	SP370C	370	1	4000 RPM	0.	.20	-0.	-0.	-0.00	-0.
						IDLE (N)	0.	0.00	-0.	-0.	-0.00	-0.
					2	4000 RPM	100.	6.60	-0.	-0.	-0.00	-0.
						IDLE (N)	150.	3.10	-0.	-0.	-0.00	-0.
189	78	SUZU	SP370	370	1	4000 RPM	80.	7.50	-0.	-0.	-0.00	-0.
						IDLE (N)	100.	6.20	-0.	-0.	-0.00	-0.
193	78	HARL	FXE	1200	1	4000 RPM	150.	3.20	-0.	-0.	-0.00	-0.
						IDLE (N)	825.	4.80	-0.	-0.	-0.00	-0.
194	79	HARL	XLH1000	1000	1	4000 RPM	213.	.45	-0.	-0.	-0.00	-0.
						IDLE (N)	1800.	5.20	-0.	-0.	-0.00	-0.
217	78	KAWA	KZ650D1	652	1	4000 RPM	98.	1.98	-0.	-0.	-0.00	-0.
						IDLE (N)	178.	.75	-0.	-0.	-0.00	-0.
					2	4000 RPM	150.	1.70	-0.	-0.	-0.00	-0.
						IDLE (N)	290.	.50	-0.	-0.	-0.00	-0.
218	78	KAWA	KZ650B	652	1	4000 RPM	163.	2.60	-0.	-0.	-0.00	-0.
						IDLE (N)	390.	.90	-0.	-0.	-0.00	-0.
219	78	KAWA	KZ650B2	652	1	4000 RPM	188.	2.75	-0.	-0.	-0.00	-0.
						IDLE (N)	265.	1.58	-0.	-0.	-0.00	-0.
					2	4000 RPM	125.	2.95	-0.	-0.	-0.00	-0.
						IDLE (N)	168.	.98	-0.	-0.	-0.00	-0.

APPENDIX I

LISTING OF TWO SPEED IDLE EMISSIONS
ON INDIVIDUAL VEHICLES

LOS ANGELES

MINUS ZERO INDICATES NO DATA COLLECTED
99999 OR 99.99 INDICATES DATA OFF SCALE OR VOID
SN=1, AS RECEIVED; SN=2, AFTER REST. MAINT.

VEHICLE NUMBER	YR	MAKE	MODEL	CCD	SN	MODE	-- GARAGE INSTRUMENT --- HC,PPMHEX	CO,PCT	NO,PPM	---- LAB INSTRUMENT ---- HC,PPMC	CO,PCT	NOX,PPM
220	78	KAWA	KZ650B	652	1	4000 RPM	325.	3.75	-0.	-0.	-0.00	-0.
						IDLE (N)	388.	1.35	-0.	-0.	-0.00	-0.
					2	4000 RPM	175.	4.75	-0.	-0.	-0.00	-0.
						IDLE (N)	225.	1.68	-0.	-0.	-0.00	-0.
221	78	KAWA	KZ650D1	652	1	4000 RPM	200.	5.45	-0.	-0.	-0.00	-0.
						IDLE (N)	425.	2.30	-0.	-0.	-0.00	-0.
					2	4000 RPM	163.	4.50	-0.	-0.	-0.00	-0.
						IDLE (N)	463.	4.75	-0.	-0.	-0.00	-0.
227	78	SUZU	GS400	398	1	4000 RPM	163.	5.10	-0.	-0.	-0.00	-0.
						IDLE (N)	350.	3.95	-0.	-0.	-0.00	-0.
					2	4000 RPM	88.	3.70	-0.	-0.	-0.00	-0.
						IDLE (N)	150.	2.95	-0.	-0.	-0.00	-0.
228	78	SUZU	SP370	370	1	4000 RPM	100.	7.80	-0.	-0.	-0.00	-0.
						IDLE (N)	100.	3.50	-0.	-0.	-0.00	-0.
					2	4000 RPM	100.	9.00	-0.	-0.	-0.00	-0.
						IDLE (N)	150.	4.80	-0.	-0.	-0.00	-0.

APPENDIX J

LISTING OF FEDERAL THREE MODE EMISSIONS ON INDIVIDUAL VEHICLES

APPENDIX J

LISTING OF FEDERAL THREE MODE EMISSIONS
ON INDIVIDUAL VEHICLES

LOS ANGELES

99999 OR 99.99 INDICATES DATA OFF SCALE OR VOID
HI SPEED MODE NOT ON CCD LESS THAN 170CC

VEHICLE NUMBER	YR	MAKE	MODEL	CCD	MODE	-- GARAGE INSTRUMENT --- HC,PPMHEX	CO,PCT	NO,PPM	---- LAB INSTRUMENT ---- HC,PPMC	CO,PCT	NOX,PPM
51	77	HOND	GL1000	999	HI SPEED	342.	1.39	1689.	5406.	.62	1340.
					LO SPEED	368.	2.47	626.	5741.	1.35	412.
					IDLE (N)	635.	2.94	223.	7939.	1.70	41.
56	77	HOND	CB750K	736	HI SPEED	262.	.23	1792.	5654.	.19	1456.
					LO SPEED	347.	4.89	485.	5767.	3.44	266.
					IDLE (N)	292.	4.26	453.	4737.	2.89	249.
68	77	HOND	CB400F	408	HI SPEED	7140.	9.01	1890.	15544.	9.74	91.
					LO SPEED	924.	7.69	324.	10858.	7.12	232.
					IDLE (N)	724.	5.24	126.	10833.	3.85	41.
78	77	HOND	XL175	173	HI SPEED	318.	7.38	498.	5968.	6.49	389.
					LO SPEED	509.	9.42	140.	8377.	11.62	63.
					IDLE (N)	305.	5.33	106.	4654.	3.79	29.
86	77	YAMA	XS750	743	HI SPEED	357.	6.55	863.	5256.	5.41	714.
					LO SPEED	219.	7.46	234.	4226.	6.79	120.
					IDLE (N)	324.	5.61	162.	5821.	4.22	32.
87	77	YAMA	XS650	653	HI SPEED	222.	6.51	1300.	3027.	4.79	1099.
					LO SPEED	176.	7.37	222.	3074.	5.91	132.
					IDLE (N)	390.	4.79	119.	4593.	3.24	32.
88	77	YAMA	XS650	653	HI SPEED	352.	3.97	2072.	4770.	2.62	1841.
					LO SPEED	283.	5.90	256.	4062.	4.58	205.
					IDLE (N)	434.	5.16	114.	6516.	3.75	39.
89	77	YAMA	XT500	498	HI SPEED	149.	7.37	368.	2851.	6.21	284.
					LO SPEED	221.	7.00	168.	4531.	5.64	78.
					IDLE (N)	187.	7.30	117.	6197.	6.14	28.
90	77	YAMA	XT500	498	HI SPEED	75.	4.49	1061.	2035.	2.94	762.
					LO SPEED	171.	6.73	223.	3401.	5.58	87.
					IDLE (N)	200.	6.37	166.	3902.	4.92	45.
91	77	YAMA	XT500	498	HI SPEED	107.	6.79	512.	2697.	5.63	370.
					LO SPEED	134.	6.77	230.	2567.	5.73	104.
					IDLE (N)	125.	4.59	170.	2858.	3.10	31.

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APPENDIX J

LISTING OF FEDERAL THREE MODE EMISSIONS
ON INDIVIDUAL VEHICLES

LOS ANGELES

99999 OR 99.99 INDICATES DATA OFF SCALE OR VOID
HI SPEED MODE NOT ON CCD LESS THAN 170CC

VEHICLE NUMBER	YR	MAKE	MODEL	CCD	MODE	-- GARAGE INSTRUMENT --- HC,PPMHEX	CO,PCT	NO,PPM	---- LAB INSTRUMENT ---- HC,PPMC	CO,PCT	NOX,PPM
98	77	YAMA	XS360	347	HI SPEED	214.	8.20	475.	3052.	7.62	346.
					LO SPEED	224.	6.68	325.	3134.	5.25	204.
					IDLE (N)	95.	1.64	184.	1271.	.85	47.
107	77	KAWA	KZ650	652	HI SPEED	1021.	9.17	264.	99999.	9.15	160.
					LO SPEED	1492.	10.31	155.	99999.	11.90	52.
					IDLE (N)	2308.	8.53	140.	99999.	7.92	40.
108	77	KAWA	KZ650	652	HI SPEED	581.	7.24	333.	6717.	5.80	244.
					LO SPEED	1045.	9.22	151.	99999.	9.48	63.
					IDLE (N)	1406.	6.50	116.	99999.	4.97	28.
110	77	KAWA	KZ400	398	HI SPEED	119.	1.55	2792.	1643.	.72	2499.
					LO SPEED	166.	5.54	440.	2641.	3.86	405.
					IDLE (N)	156.	5.29	153.	2586.	3.58	84.
112	77	KAWA	KH400	400	HI SPEED	99999.	7.64	152.	99999.	6.30	20.
					LO SPEED	99999.	5.15	161.	99999.	3.42	15.
					IDLE (N)	99999.	4.74	160.	99999.	3.01	15.
113	77	KAWA	KE175	174	HI SPEED	99999.	8.32	557.	14574.	7.50	49.
					LO SPEED	99999.	4.23	570.	14579.	2.65	8.
					IDLE (N)	99999.	3.52	521.	14574.	2.11	5.
115	77	SUZU	GS750	748	HI SPEED	488.	9.94	153.	8110.	11.36	71.
					LO SPEED	606.	9.96	133.	8827.	11.59	55.
					IDLE (N)	932.	7.78	125.	8620.	6.97	41.
116	77	SUZU	GS550	549	HI SPEED	492.	9.53	288.	2306.	10.11	86.
					LO SPEED	1113.	8.87	309.	4160.	8.72	54.
					IDLE (N)	1333.	7.31	269.	4780.	5.95	29.
117	77	SUZU	GS400	398	HI SPEED	472.	8.76	406.	3926.	9.38	189.
					LO SPEED	576.	7.52	509.	4403.	6.92	286.
					IDLE (N)	403.	6.27	326.	3934.	5.03	124.

APPENDIX K

LISTING OF DRIVEABILITY EVALUATIONS ON INDIVIDUAL VEHICLES

MOTORCYCLE

Driveability Evaluation Form

Test Site LA Veh. No. _____

Make _____ Model _____

Engine _____ Trans. _____

No. Cylinders _____ No. Carbs. _____

(1) Task Code [2]

(2-3) Card, Test No. [0]

(4) Project Code [1]

(5) Site Code [1]

(6-8) Vehicle # [ ]

	Yes	No	Number	Quality Code
A. Constant Speed Phase				
1. Stalls, pass-outs* upon part throttle acceleration to road speed	1	2 ☐ (9)	☐ (10)	
2. Acceleration quality				☐ (11)
3. Cruise quality				☐ (12)
4. Slight acceleration response (passing)				☐ (13)
5. Idle quality at stop				☐ (14)
B. Acceleration from stop phase				
6. Quality of acceleration under 1/4 throttle				☐ (15)
7. Quality of acceleration under 1/2 throttle				☐ (16)
8. Quality of acceleration under 3/4 throttle				☐ (17)
C. Cold start and ilde phase (dynamometer FTP)				
9. Initial cranking time or number of kicks (circle one secs. or kicks) Seconds Kicks				☐☐ (18-19)
10. Engine die-outs* after start	1	2 ☐ (20)	☐ (21)	
11. Engine stalls after gear selection	1	2 ☐ (22)	☐ (23)	
12. Idle quality				☐ (24)

	Yes	No	Number	Quality Code
D. Drive-away phase (dynamometer initial cold start acceleration)				
13. Hesitation, lag upon slight acceleration	1	2 ☐ (25)	☐ (26)	
14. Stalls pass-outs* upon slight acceleration to road speed	1	2 (27)	☐ (28)	
15. Acceleration quality				☐ (29)
16. Idle quality during second idle mode of FTP				☐ (30)
17. Stalls, pass-outs* upon slight acceleration to road speed	1	2 ☐ (31)	☐ (32)	
18. Acceleration quality				☐ (33)
19. Idle quality during third idle mode of FTP				☐ (34)
E. Re-start Phase (after cold start FTP 10 min. soak)				
20. Cranking time or number of kicks			☐☐ (35-36)	
21. Idle quality after re-start				☐ (37)
22. This driveability evaluation performed prior to which test in sequence?			☐ (38)	

* Pass-outs defined as restart from "off idle" stall.
Die-outs defined as restart from stall at idle.

Codes for idle, acceleration and cruise quality

Enter			
	5.	Excellent	- No trace of undesireable elements (smooth, even responsive,)
	4.	Good	- Slight trace, small indication of an undesireable element (initial uneveness, roughness, hesitation, quickly overcome)
	3.	Fair	- Undesireable element exists yet reliability is maintained (only intermittent misfire, surging, hesitation)
	2.	Poor	- Undesireable element exists which effects reliability or driver confidence (steady misfire, roughness, lack of power, response)
	1.	Fail	- Extremely unreliable, possible unsafe conditions exist (frequent stalling, die-outs on acceleration, lack of throttle response)

APPENDIX K

LISTING OF DRIVEABILITY EVALUATIONS ON INDIVIDUAL VEHICLES

LOS ANGELES

SN=1, AS RECEIVED; SN=2, AFTER REST. MAINT.

VEHICLE NUMBER	YR	MAKE	MODEL	CCD	SN	CONSTANT SPEED PHASE					ACCEL PHASE			COLD START PHASE (DYNAMOMETER)								DRIVE AWAY PHASE (DYNAMOMETER)						RESTART PHASE			
						1	1A	2	3	4	5	6	7	8	9	10	10A	11	11A	12	13	13A	14	14A	15	16	17	17A	18	19	20	21
1	77	HOND	GL1000	999	1	2	0	4	4	4	4	4	4	4	1	2	0	2	0	4	2	0	2	0	4	4	2	0	4	4	2	4
					2	2	0	4	4	4	4	4	4	5	1	2	0	2	0	4	2	0	2	0	4	4	2	0	4	4	4	4
2	77	HOND	GL1000	999	1	2	0	5	5	5	5	5	5	5	5	2	0	2	0	4	2	0	2	0	4	4	2	0	5	5	3	4
					2	2	0	4	4	4	4	4	4	4	5	2	0	2	0	4	2	0	2	0	4	4	2	0	4	4	1	4
3	77	HOND	GL1000	999	1	2	0	4	4	4	4	4	4	4	2	2	0	2	0	4	2	0	2	0	4	4	2	0	4	4	2	4
					2	2	0	5	5	5	5	5	5	5	4	2	0	2	0	5	2	0	2	0	5	5	2	0	5	5	8	5
4	77	HOND	CB750F	736	1	2	0	5	5	5	5	5	5	5	1	2	0	2	0	4	2	0	2	0	4	4	2	0	4	4	1	4
					2	2	0	5	5	5	5	5	5	5	1	2	0	1	3	4	1	5	2	0	4	4	2	0	4	5	1	5
5	77	HOND	CB750K	736	1	1	1	3	3	3	3	3	3	3	4	2	0	2	0	3	2	0	2	0	3	3	2	0	3	3	1	3
					2	2	0	4	4	4	4	4	4	4	1	2	0	2	0	4	2	0	2	0	4	4	2	0	4	4	2	4
6	77	HOND	CB750F	736	1	2	0	4	4	5	3	5	4	4	2	2	0	2	0	4	2	0	2	0	4	4	2	0	4	4	1	4
					2	2	0	4	4	4	4	4	4	4	3	2	0	2	0	4	1	1	2	0	4	4	1	1	4	4	2	4
7	77	HOND	CB750K	736	1	2	0	3	4	3	3	3	2	2	8	2	0	2	0	3	2	0	2	0	4	4	2	0	4	4	1	4
					2	2	0	5	5	5	4	5	5	5	1	2	0	2	0	4	2	0	2	0	5	5	2	0	5	5	1	5
8	77	HOND	CB750F	736	1	2	0	5	5	5	5	5	5	5	1	2	0	2	0	4	2	0	2	0	4	4	2	0	4	4	1	4
					2	2	0	5	5	5	5	5	5	5	1	2	0	2	0	4	2	0	1	1	5	5	2	0	5	5	1	5
9	77	HOND	CB750F	736	1	2	0	4	4	4	4	4	4	4	1	2	0	2	0	4	1	2	2	0	4	4	2	0	4	4	1	4
					2	2	0	4	4	5	5	5	5	5	1	2	0	2	0	4	2	0	2	0	4	4	2	0	4	4	1	4
10	77	HOND	CB550F	544	1	2	0	4	4	4	4	4	4	4	1	2	0	2	0	4	2	0	2	0	4	4	2	0	4	4	1	4
					2	2	0	5	5	5	5	5	5	5	1	2	0	2	0	5	2	0	1	2	5	5	2	0	5	5	1	5
11	77	HOND	CB550F	544	1	2	0	4	4	4	4	4	4	4	2	2	0	2	0	4	2	0	2	0	4	4	1	1	4	4	1	4
					2	2	0	5	5	5	5	5	5	5	1	1	1	2	0	4	2	0	1	1	4	4	2	0	4	4	3	4
12	77	HOND	CB550K	544	1	1	1	5	5	5	5	5	5	5	9	2	0	2	0	2	2	0	2	0	4	2	2	0	4	2	1	4
					2	2	0	4	4	4	4	4	4	4	1	2	0	2	0	4	2	0	2	0	4	4	2	0	4	4	1	4
13	77	HOND	CB400F	408	1	1	1	3	4	4	4	4	4	4	1	2	0	2	0	4	2	0	2	0	4	4	2	0	4	4	2	4
					2	2	0	5	5	5	5	5	5	5	4	2	0	2	0	4	2	0	2	0	4	4	2	0	4	4	2	4
14	78	HOND	CB400T2	395	1	2	0	5	5	5	5	5	5	5	2	2	0	2	0	5	2	0	2	0	5	5	2	0	5	5	1	5
					2	2	0	5	5	5	5	5	5	5	1	2	0	2	0	4	2	0	2	0	4	4	2	0	4	4	1	4
15	77	HOND	CB550K	544	1	2	0	3	4	3	4	3	3	3	1	2	0	2	0	4	2	0	2	0	4	4	2	0	4	4	4	4
					2	1	2	4	4	4	4	4	4	4	1	2	0	2	0	4	1	2	2	0	3	4	2	0	4	4	2	4
18	78	HOND	XL175	173	1	2	0	4	4	4	4	5	4	4	2	2	0	2	0	4	2	0	2	0	4	4	2	0	4	4	1	4
					2	2	0	5	5	5	5	5	5	5	2	2	0	2	0	4	2	0	2	0	4	4	2	0	4	4	1	4
19	77	HOND	CT90	89	1	2	0	2	2	2	2	2	2	2	3	2	0	1	1	4	1	1	2	0	3	4	1	2	3	4	2	3
					2	2	0	4	4	4	4	4	4	4	2	2	0	2	0	4	2	0	2	0	4	4	2	0	4	4	3	4
20	77	HOND	CT125	124	1	2	0	5	5	5	5	5	5	5	1	2	0	2	0	4	2	0	2	0	4	4	2	0	4	4	1	4
					2	2	0	4	4	4	4	4	4	3	2	1	1	2	0	4	2	0	1	1	4	4	2	0	4	4	1	4
21	77	HOND	CT90	89	1	2	0	5	5	5	5	5	5	5	1	2	0	2	0	4	1	1	2	0	4	4	2	0	5	5	1	5
					2	2	0	5	5	5	5	5	5	5	1	2	0	1	1	4	2	0	2	0	4	4	2	0	4	5	1	5
22	77	HOND	CT90	89	1	2	0	4	4	4	4	4	4	4	1	2	0	2	0	4	2	0	2	0	4	4	2	0	4	4	1	4
					2	2	0	4	3	4	3	3	4	4	2	2	0	1	1	3	1	1	2	0	3	4	2	0	4	4	4	4
23	77	HOND	XL75	74	1	2	0	4	4	4	4	4	4	4	2	1	1	2	0	3	2	0	2	0	4	4	2	0	4	4	4	4
					2	2	0	4	4	4	4	4	4	4	5	2	0	2	0	4	2	0	2	0	4	4	1	2	4	4	2	4

APPENDIX K

LISTING OF DRIVEABILITY EVALUATIONS ON INDIVIDUAL VEHICLES

LOS ANGELES

SN=1, AS RECEIVED; SN=2, AFTER REST. MAINT.

VEHICLE NUMBER	YR	MAKE	MODEL	CCD	SN	CONSTANT SPEED PHASE					ACCEL PHASE			COLD START PHASE (DYNAMOMETER)								DRIVE AWAY PHASE (DYNAMOMETER)							RESTART PHASE			
						1	1A	2	3	4	5	6	7	8	9	10	10A	11	11A	12	13	13A	14	14A	15	16	17	17A	18	19	20	21
24	77	HOND	CT70	72	1	2	0	4	5	5	4	4	4	4	3	2	0	2	0	3	1	1	2	0	3	4	2	0	4	4	2	4
					2	2	0	4	5	5	3	4	4	4	2	2	0	2	0	3	1	4	2	0	4	4	2	0	4	4	2	4
25	77	YAMA	XS750D	743	1	1	2	3	4	2	3	3	3	3	5	2	0	2	0	4	2	0	2	0	4	4	2	0	4	4	1	4
					2	2	0	5	5	5	5	5	5	5	1	2	0	2	0	5	2	0	2	0	4	4	2	0	4	4	1	4
26	77	YAMA	XS650D	653	1	2	0	4	4	4	3	4	4	4	1	2	0	2	0	3	2	0	2	0	4	4	2	0	4	4	3	4
					2	2	0	5	5	5	5	5	5	5	3	2	0	2	0	4	2	0	2	0	5	5	2	0	5	5	1	5
28	77	YAMA	XT500D	498	1	2	0	5	5	5	5	5	5	5	2	2	0	2	0	4	2	0	2	0	4	4	2	0	4	4	1	4
					2	2	0	5	5	5	5	5	5	5	1	2	0	2	0	4	2	0	2	0	4	4	1	1	4	4	1	4
36	77	KAWA	KZ1000	1015	1	2	0	5	5	5	5	5	5	5	9	2	0	2	0	5	2	0	2	0	5	5	2	0	5	5	1	5
					2	2	0	5	5	5	4	5	5	5	1	2	0	2	0	5	2	0	2	0	5	5	2	0	5	5	1	5
38	77	KAWA	KZ750B	745	1	2	0	5	5	5	5	5	5	5	3	2	0	2	0	5	2	0	2	0	5	4	1	2	5	5	2	5
					2	2	0	5	4	5	2	5	5	5	3	2	0	2	0	5	2	0	2	0	5	5	2	0	5	5	2	5
39	77	KAWA	KZ650C1	652	1	2	0	4	4	5	4	4	4	4	1	2	0	2	0	4	2	0	2	0	4	4	2	0	4	4	1	4
					2	2	0	4	4	4	4	4	4	4	1	2	0	2	0	4	2	0	2	0	4	4	2	0	4	4	1	4
40	77	KAWA	KZ650B1	652	1	2	0	5	5	5	5	5	5	5	4	2	0	2	0	4	1	1	1	1	4	4	1	1	4	4	1	4
					2	2	0	5	5	5	5	5	5	5	1	2	0	2	0	4	2	0	2	0	4	4	2	0	5	5	1	5
41	78	KAWA	KZ650C	652	1	2	0	5	5	5	5	5	5	5	1	1	1	2	0	4	2	0	2	0	5	5	2	0	5	5	4	5
					2	2	0	5	5	5	5	5	5	5	2	2	0	2	0	4	2	0	2	0	4	4	2	0	4	4	1	4
44	77	SUZU	GS750B	748	1	2	0	4	4	4	4	4	4	4	1	2	0	2	0	4	2	0	2	0	4	4	2	0	4	4	1	4
					2	2	0	5	5	5	5	5	5	5	1	2	0	2	0	4	2	0	2	0	4	4	2	0	4	4	1	4
45	77	SUZU	GS550	549	1	1	2	4	4	4	3	4	4	4	1	2	0	2	0	3	2	0	2	0	4	4	2	0	4	4	1	4
					2	2	0	5	5	5	4	5	5	5	1	1	1	2	0	4	1	1	1	1	4	4	2	0	4	4	1	4
46	77	SUZU	GS550	549	1	2	0	4	4	4	4	4	4	4	1	2	0	2	0	4	2	0	2	0	4	4	2	0	4	4	1	4
					2	2	0	5	5	5	5	5	5	5	1	1	3	2	0	4	1	2	1	2	4	5	2	0	5	5	1	5
47	77	SUZU	GS400B	398	1	2	0	4	4	4	4	4	4	4	4	2	0	2	0	4	2	0	2	0	4	4	2	0	4	4	1	4
					2	2	0	5	5	5	5	5	5	5	3	2	0	2	0	5	2	0	2	0	5	5	2	0	5	5	1	5
51	77	HOND	GL1000	999	1	2	0	3	3	3	3	3	3	3	3	1	1	2	0	3	2	0	2	0	3	3	2	0	3	3	1	3
					2	2	0	4	4	4	4	2	4	4	1	2	0	2	0	4	2	0	2	0	4	4	2	0	4	4	2	4
52	77	HOND	GL1000	999	1	2	0	4	4	4	4	4	4	4	2	2	0	2	0	4	2	0	2	0	4	4	2	0	4	4	2	4
					2	2	0	3	4	4	3	3	4	4	1	2	0	2	0	4	2	0	2	0	4	4	2	0	4	4	3	4
53	77	HOND	GL1000	999	1	1	1	4	4	4	4	4	4	4	1	2	0	2	0	4	2	0	2	0	4	4	2	0	4	4	1	4
					2	2	0	3	4	4	3	2	4	5	1	2	0	2	0	3	2	0	2	0	4	4	2	0	4	4	2	4
54	77	HOND	GL1000	999	1	2	0	4	3	3	3	3	4	4	1	2	0	2	0	4	2	0	2	0	4	4	2	0	4	4	1	4
					2	2	0	3	4	3	3	3	4	4	1	2	0	2	0	4	2	0	2	0	3	4	2	0	3	4	1	4
56	77	HOND	CB750K	736	1	2	0	5	5	5	5	5	5	5	8	2	0	2	0	5	2	0	2	0	5	5	2	0	5	5	2	5
					2	2	0	5	5	5	5	5	5	5	1	2	0	2	0	5	2	0	2	0	5	5	2	0	5	5	1	5
57	77	HOND	CB750K	736	1	2	0	5	5	5	5	5	5	5	1	2	0	2	0	5	2	0	2	0	5	5	2	0	5	5	1	5
					2	2	0	5	5	5	5	5	5	5	1	2	0	2	0	5	2	0	2	0	5	5	2	0	5	5	1	5
58	77	HOND	CB750K	736	1	1	3	4	4	4	4	5	5	5	1	2	0	1	1	4	2	0	2	0	4	5	2	0	5	4	1	4
					2	2	0	4	5	4	5	5	4	4	1	2	0	2	0	5	2	0	1	1	4	5	2	0	4	4	3	4
59	77	HOND	CB750K	736	1	2	0	5	5	5	5	5	5	5	1	2	0	2	0	5	2	0	2	0	5	5	2	0	5	5	1	5
					2	1	3	5	5	4	4	5	5	5	1	2	0	2	0	5	2	0	2	0	5	5	2	0	5	5	1	5

APPENDIX K

LISTING OF DRIVEABILITY EVALUATIONS ON INDIVIDUAL VEHICLES

LOS ANGELES

SN=1, AS RECEIVED; SN=2, AFTER REST. MAINT.

VEHICLE NUMBER	YR	MAKE	MODEL	CCD	SN	CONSTANT SPEED PHASE					ACCEL PHASE			COLD START PHASE (DYNAMOMETER)							DRIVE AWAY PHASE (DYNAMOMETER)						RESTART PHASE			
						1	1A	2	3	4	5	6	7	8	9	10	10A	11	11A	12	13	13A	14	14A	15	16	17	17A	18	19	20	21
60	77	HOND	CB750F	736	1	2	0	5	5	5	5	5	5	5	1	2	0	2	0	5	2	0	2	0	5	5	2	0	5	5	1	5
					2	1	1	4	4	4	3	4	4	4	8	2	0	2	0	4	2	0	2	0	4	4	2	0	4	4	1	4
61	77	HOND	CB750K	736	1	2	0	3	4	4	4	4	4	4	2	2	0	2	0	4	2	0	2	0	3	4	2	0	4	4	1	4
					2	2	0	4	4	4	4	4	4	4	1	2	0	2	0	4	2	0	2	0	4	4	2	0	4	4	1	4
62	77	HOND	CB750F	736	1	2	0	4	4	4	4	4	4	4	3	2	0	2	0	4	2	0	2	0	4	4	2	0	4	4	1	4
					2	2	0	4	4	4	3	4	4	4	9	2	0	2	0	4	2	0	2	0	4	4	2	0	4	4	1	4
63	77	HOND	CB750F	736	1	2	0	5	5	5	5	5	5	5	1	2	0	2	0	4	2	0	2	0	5	4	2	0	5	4	1	4
					2	2	0	5	4	5	5	4	5	5	1	2	0	2	0	4	2	0	2	0	4	4	2	0	4	4	1	4
64	77	HOND	CB550F	544	1	2	0	3	3	3	3	3	3	3	2	2	0	2	0	3	2	0	2	0	3	3	2	0	3	3	1	3
					2	2	0	4	4	4	4	4	4	4	1	2	0	2	0	4	2	0	2	0	5	5	2	0	5	5	2	5
65	77	HOND	CB550K	544	1	2	0	4	4	4	4	4	5	5	5	2	0	2	0	4	2	0	2	0	4	4	2	0	4	4	1	4
					2	2	0	4	4	4	3	4	4	4	1	2	0	2	0	5	2	0	2	0	5	5	2	0	5	5	1	5
66	77	HOND	CB550F	544	1	2	0	4	4	4	4	4	4	4	1	2	0	2	0	4	2	0	2	0	4	4	2	0	4	4	1	4
					2	2	0	5	5	5	5	4	5	5	4	2	0	2	0	4	2	0	2	0	4	4	2	0	4	4	1	4
67	77	HOND	CB550F	544	1	2	0	5	5	5	5	5	5	5	1	1	2	2	0	5	2	0	2	0	5	5	2	0	5	5	1	5
					2	2	0	3	3	3	3	3	3	3	2	2	0	2	0	4	2	0	2	0	4	4	2	0	4	4	2	4
68	77	HOND	CB400F	408	1	2	0	5	5	5	5	5	5	5	1	1	2	2	0	5	2	0	2	0	5	5	2	0	5	5	1	5
					2	2	0	5	5	5	5	5	5	5	1	2	0	2	0	4	2	0	2	0	4	4	2	0	4	4	3	4
69	77	HOND	CB400F	408	1	2	0	4	4	4	4	4	4	4	4	2	0	2	0	4	2	0	2	0	4	4	2	0	4	4	2	4
					2	2	0	4	4	4	4	4	4	4	1	2	0	2	0	4	2	0	2	0	4	4	2	0	4	4	1	4
70	77	HOND	CB400F	408	1	2	0	4	4	4	4	4	4	4	7	2	0	1	1	3	1	7	1	2	3	3	1	1	3	3	1	3
					2	2	0	5	5	5	5	5	5	5	5	2	0	2	0	5	2	0	2	0	5	5	2	0	5	5	6	5
71	77	HOND	CB400F	408	1	2	0	5	5	5	5	5	5	5	4	2	0	2	0	5	2	0	2	0	5	5	2	0	5	5	1	5
72	77	HOND	XL350	348	1	2	0	5	5	5	5	5	5	5	1	2	0	2	0	4	2	0	2	0	4	5	2	0	5	5	2	5
73	78	HOND	CB400T1	395	1	2	0	5	5	5	5	5	5	5	1	2	0	2	0	5	2	0	2	0	5	5	2	0	5	5	3	5
					2	2	0	5	5	5	5	5	5	5	1	2	0	2	0	5	2	0	2	0	5	5	2	0	5	5	1	5
74	78	HOND	CB400T2	395	1	2	0	5	5	5	5	5	5	5	2	2	0	2	0	4	2	0	2	0	4	4	2	0	4	4	1	4
					2	2	0	5	5	5	5	5	5	5	1	2	0	2	0	4	2	0	2	0	4	4	2	0	4	4	1	4
75	78	HOND	CB400A	395	1	2	0	5	5	5	5	5	5	5	2	2	0	2	0	4	2	0	2	0	4	4	2	0	4	4	1	4
					2	2	0	5	5	5	5	5	5	5	2	2	0	2	0	5	2	0	2	0	5	5	2	0	5	5	3	5
76	78	HOND	CB400A	395	1	2	0	4	4	4	4	4	4	4	1	2	0	2	0	4	2	0	1	1	4	4	2	0	4	5	1	5
					2	2	0	5	5	5	5	5	5	4	1	1	1	2	0	3	2	0	2	0	4	4	2	0	5	4	3	4
78	77	HOND	XL175	173	1	2	0	3	3	3	3	3	3	3	1	2	0	2	0	3	1	1	2	0	3	3	2	0	3	3	1	3
					2	2	0	4	4	4	4	4	4	4	1	2	0	2	0	4	2	0	2	0	4	4	2	0	4	4	2	4
79	77	HOND	CT125	124	1	2	0	4	4	4	4	4	4	4	2	2	0	2	0	4	2	0	2	0	4	4	2	0	4	4	7	4
					2	2	0	4	4	4	4	4	4	4	1	2	0	2	0	4	2	0	2	0	4	4	2	0	4	4	1	4
81	78	HOND	XL125	124	1	2	0	4	4	4	4	4	4	4	1	2	0	2	0	4	1	1	2	0	4	4	2	0	4	4	1	4
					2	2	0	4	4	4	4	4	4	4	2	2	0	2	0	5	2	0	1	1	5	5	2	0	5	5	2	5
82	77	HOND	CT90	89	1	2	0	4	4	4	4	3	3	3	1	2	0	2	0	4	2	0	2	0	3	4	2	0	3	4	9	4
					2	2	0	4	4	4	4	4	4	4	2	2	0	2	0	4	1	6	2	0	4	4	2	0	4	4	2	4

APPENDIX K

LISTING OF DRIVEABILITY EVALUATIONS
ON INDIVIDUAL VEHICLES

LOS ANGELES

SN=1, AS RECEIVED; SN=2, AFTER REST. MAINT.

VEHICLE NUMBER	YR	MAKE	MODEL	CCD	SN	CONSTANT SPEED PHASE					ACCEL PHASE			COLD START PHASE (DYNAMOMETER)							DRIVE AWAY PHASE (DYNAMOMETER)								RESTART PHASE			
						1	1A	2	3	4	5	6	7	8	9	10	10A	11	11A	12	13	13A	14	14A	15	16	17	17A	18	19	20	21
83	77	HOND	CT90	89	1	2	0	4	3	3	4	4	3	3	1	2	0	1	4	1	1	8	2	0	3	1	2	2	3	1	2	2
					2	2	0	4	4	4	4	4	3	3	1	2	0	2	0	4	1	1	2	0	4	4	2	0	4	4	1	4
84	77	HOND	XL75	74	1	2	0	5	5	5	5	5	5	5	3	2	0	2	0	4	2	0	2	0	4	4	2	0	4	4	1	4
					2	2	0	5	5	5	5	5	5	5	1	2	0	2	0	4	2	0	2	0	4	4	2	0	5	5	1	5
85	77	HOND	CT70	72	1	2	0	5	5	5	5	5	5	5	1	2	0	2	0	4	2	0	2	0	5	2	2	0	5	5	2	5
					2	2	0	4	4	4	4	4	4	4	1	2	0	2	0	4	2	0	2	0	4	5	2	0	5	5	1	5
86	77	YAMA	XS750	743	1	2	0	5	5	5	5	5	5	5	2	2	0	2	0	5	2	0	2	0	5	5	1	1	5	5	1	5
87	77	YAMA	XS650	653	1	2	0	4	4	4	4	4	4	4	1	2	0	2	0	5	2	0	2	0	4	4	2	0	4	4	2	4
					2	2	0	4	4	4	4	4	4	4	1	2	0	2	0	4	2	0	2	0	4	4	2	0	4	4	2	4
88	77	YAMA	XS650	653	1	2	0	4	4	4	5	4	4	4	1	2	0	2	0	5	2	0	2	0	5	5	2	0	5	5	3	5
					2	2	0	4	4	4	1	5	5	5	1	2	0	2	0	5	2	0	2	0	5	5	2	0	5	5	3	5
89	77	YAMA	XT500	498	1	2	0	5	5	5	5	5	5	5	3	2	0	2	0	5	2	0	1	1	5	5	2	0	2	5	1	5
					2	2	0	5	5	5	5	5	5	5	7	2	0	2	0	5	2	0	2	0	5	5	2	0	4	5	1	5
90	77	YAMA	XT500	498	1	2	0	5	5	5	5	5	5	5	6	2	0	2	0	5	2	0	2	0	4	5	2	0	4	5	1	5
					2	2	0	5	5	5	5	5	5	5	1	2	0	2	0	5	2	0	2	0	4	5	2	0	4	5	1	5
91	77	YAMA	XT500	498	1	2	0	4	4	4	4	5	4	4	6	2	0	2	0	4	2	0	2	0	5	5	2	0	5	5	2	5
					2	2	0	4	4	4	4	4	4	4	1	2	0	2	0	5	2	0	2	0	5	5	1	1	5	5	1	5
92	77	YAMA	RD400D	400	1	2	0	5	3	4	5	5	5	5	3	2	0	2	0	4	1	1	1	1	5	5	2	0	5	5	1	5
					2	2	0	5	5	5	5	5	5	5	2	2	0	2	0	4	2	0	1	1	4	4	2	0	4	4	1	4
93	77	YAMA	DT400	400	1	2	0	5	5	5	5	5	5	5	3	2	0	2	0	4	2	0	2	0	4	4	2	0	4	4	1	4
					2	2	0	5	5	5	5	5	5	5	1	2	0	2	0	4	2	0	2	0	5	5	2	0	5	5	1	5
94	77	YAMA	RD400D	400	1	2	0	5	5	5	5	5	5	5	3	2	0	2	0	5	2	0	2	0	5	5	2	0	5	5	3	5
					2	2	0	5	5	5	5	5	5	5	3	2	0	2	0	4	2	0	2	0	5	5	2	0	5	5	3	4
95	77	YAMA	XS400	391	1	2	0	5	5	5	5	5	5	5	3	2	0	2	0	4	2	0	1	1	5	4	1	2	5	4	3	4
					2	2	0	5	5	5	5	5	5	5	3	2	0	2	0	4	2	0	2	0	4	4	2	0	4	4	1	4
96	77	YAMA	XS400D	391	1	2	0	5	5	5	5	5	5	5	2	2	0	2	0	4	2	0	2	0	5	5	2	0	5	5	4	4
					2	2	0	5	5	5	5	5	5	5	1	1	1	2	0	4	2	0	2	0	5	5	2	0	5	5	3	5
97	77	YAMA	XS400	391	1	2	0	5	5	5	5	5	5	5	3	2	0	2	0	5	2	0	2	0	5	5	2	0	5	5	1	5
					2	2	0	5	5	5	5	5	5	5	1	2	0	2	0	5	2	0	2	0	5	5	2	0	5	5	1	5
98	77	YAMA	XS360	347	1	2	0	4	4	4	4	4	4	4	5	2	0	2	0	3	2	0	2	0	3	3	2	0	3	3	2	3
					2	2	0	4	4	4	4	4	4	4	2	1	1	2	0	4	2	0	2	0	4	4	2	0	4	4	3	4
99	77	YAMA	DT250D	246	1	2	0	5	5	5	5	5	5	5	1	2	0	2	0	4	2	0	2	0	4	4	2	0	4	4	1	4
					2	2	0	5	5	5	5	5	5	5	1	2	0	2	0	4	2	0	2	0	4	4	2	0	4	4	1	4
100	77	YAMA	DT100	97	1	2	0	5	5	5	5	5	5	5	4	2	0	2	0	5	2	0	2	0	5	5	2	0	5	5	1	5
					2	2	0	5	5	5	5	5	5	5	1	2	0	2	0	4	2	0	2	0	4	4	2	0	5	5	2	4
101	77	YAMA	LB803AD	73	1	2	0	5	5	5	5	5	5	5	2	2	0	2	0	4	2	0	1	1	4	4	2	0	4	4	2	5
					2	2	0	4	4	4	4	4	4	4	1	2	0	2	0	5	2	0	2	0	5	5	2	0	4	4	1	5
102	77	YAMA	LB803AD	73	1	2	0	5	5	5	5	5	5	5	2	2	0	2	0	5	2	0	2	0	5	5	2	0	5	5	2	5
					2	2	0	5	5	5	5	5	5	5	2	2	0	2	0	5	2	0	2	0	4	4	2	0	4	4	3	4
103	77	KAWA	KZ1000	1015	1	2	0	5	5	5	5	5	5	5	2	2	0	2	0	2	2	0	2	0	3	3	2	0	4	4	1	4
					2	2	0	5	5	5	5	5	5	5	1	2	0	2	0	3	1	3	2	0	4	4	2	0	4	4	1	4
104	77	KAWA	KZ1000	1015	1	2	0	4	5	3	4	3	3	4	2	2	0	2	0	3	2	0	2	0	4	4	2	0	4	5	3	5
					2	2	0	5	5	5	5	5	5	5	9	2	0	2	0	5	2	0	2	0	4	4	2	0	4	4	9	4
105	77	KAWA	KZ1000	1015	1	2	0	5	5	5	5	4	4	4	8	2	0	2	0	4	2	0	2	0	5	5	2	0	5	5	2	5
					2	2	0	4	4	5	4	5	4	4	2	2	0	2	0	5	2	0	2	0	3	3	2	0	3	3	2	4
106	77	KAWA	KZ750	745	1	1	6	3	3	3	1	3	3	3	8	1	2	2	0	5	2	0	2	0	5	5	2	0	5	5	2	5
					2	2	0	5	5	5	5	5	5	5	4	2	0	2	0	5	2	0	2	0	5	5	2	0	5	5	2	5

APPENDIX K

LISTING OF DRIVEABILITY EVALUATIONS ON INDIVIDUAL VEHICLES

LOS ANGELES

SN=1, AS RECEIVED; SN=2, AFTER REST. MAINT.

VEHICLE NUMBER	YR	MAKE	MODEL	CCD	SN	CONSTANT SPEED PHASE						ACCEL PHASE			COLD START PHASE (DYNAMOMETER)								DRIVE AWAY PHASE (DYNAMOMETER)								RESTART PHASE			
						1	1A	2	3	4	5	6	7	8	9	10	10A	11	11A	12	13	13A	14	14A	15	16	17	17A	18	19	20	21
107	77	KAWA	KZ650	652	1	2	0	4	4	3	3	4	4	3	2	2	0	2	0	5	2	0	2	0	5	5	2	0	5	5	2	5
108	77	KAWA	KZ650	652	1	2	0	4	5	4	4	3	4	4	1	2	0	2	0	5	2	0	2	0	5	4	2	0	4	4	8	4
109	77	KAWA	KZ400	398	2	2	0	4	4	4	4	4	4	4	1	2	0	2	0	3	2	0	2	0	4	5	2	0	4	4	3	5
110	77	KAWA	KZ400	398	1	2	0	5	5	5	5	5	5	5	2	2	0	2	0	5	2	0	2	0	5	5	2	0	5	5	1	5
111	77	KAWA	KZ400	398	2	2	0	4	4	4	4	4	4	4	1	2	0	2	0	4	2	0	2	0	3	4	1	2	4	4	1	4
112	77	KAWA	KH400	400	1	2	0	5	5	5	5	5	5	5	4	1	1	2	0	4	2	0	2	0	4	2	2	0	4	2	2	2
113	77	KAWA	KE175	174	2	2	0	5	5	5	5	5	5	5	1	1	1	2	0	3	1	3	2	0	4	4	2	0	4	4	1	4
114	77	KAWA	KE100	99	1	2	0	4	4	4	4	3	4	4	1	2	0	2	0	5	2	0	2	0	3	3	2	0	3	3	1	4
115	77	SUZU	GS750	748	2	2	0	4	4	4	4	4	4	4	3	2	0	2	0	3	1	1	2	0	5	5	2	0	5	5	3	5
116	77	SUZU	GS550	549	1	2	0	3	3	4	4	3	3	2	2	1	1	2	0	4	2	0	2	0	4	4	2	0	4	4	1	4
117	77	SUZU	GS400	398	2	2	0	4	4	4	4	4	4	4	3	2	0	2	0	4	2	0	2	0	4	4	2	0	4	4	1	4
119	77	SUZU	GT185	184	1	2	0	3	3	4	4	3	3	2	2	1	1	2	0	4	2	0	2	0	4	4	2	0	4	4	2	4
120	78	SUZU	GS550E	549	2	2	0	4	4	4	4	4	4	4	2	2	0	2	0	3	2	0	2	0	5	5	2	0	5	5	1	5
121	78	SUZU	GS550E	549	1	2	0	4	4	4	4	4	4	4	1	2	0	2	0	5	2	0	2	0	5	5	2	0	5	5	1	5
125	77	BMW	R100S	980	2	2	0	5	5	5	5	5	5	5	1	1	2	2	0	3	2	0	2	0	4	3	2	0	4	3	1	4
					1	2	0	5	5	5	5	5	5	5	2	2	0	2	0	4	2	0	1	2	4	4	2	0	3	3	1	4
					2	2	0	5	5	5	5	5	5	5	1	2	0	2	0	4	2	0	2	0	4	4	2	0	4	4	4	4
					1	2	0	4	4	4	4	4	4	4	2	2	0	2	0	5	2	0	2	0	4	4	2	0	5	5	8	5
					2	2	0	5	5	5	5	5	5	5	4	2	0	2	0	4	2	0	2	0	4	4	2	0	5	5	3	5
					1	2	0	5	5	5	5	5	5	5	1	2	0	2	0	4	2	0	2	0	5	5	2	0	4	4	1	4
					2	2	0	5	5	5	5	5	5	5	3	2	0	2	0	5	2	0	2	0	5	5	2	0	5	5	1	5

APPENDIX K

LISTING OF DRIVEABILITY EVALUATIONS
ON INDIVIDUAL VEHICLES

LOS ANGELES

SN=1, AS RECEIVED; SN=2, AFTER REST. MAINT.

VEHICLE NUMBER	YR	MAKE	MODEL	CCD	SN	CONSTANT SPEED PHASE					ACCEL PHASE			COLD START PHASE (DYNAMOMETER)								DRIVE AWAY PHASE (DYNAMOMETER)							RESTART PHASE			
						1	1A	2	3	4	5	6	7	8	9	10	10A	11	11A	12	13	13A	14	14A	15	16	17	17A	18	19	20	21
126	78	HOND	GL1000	999	1	2	0	5	5	5	5	5	5	5	1	2	0	2	0	4	2	0	2	0	5	5	2	0	5	5	1	5
127	78	HOND	GL1000	999	1	2	0	5	5	5	5	5	5	5	1	2	0	2	0	5	2	0	2	0	5	5	2	0	5	5	3	5
					2	2	0	3	3	2	4	3	2	2	1	2	0	2	0	2	1	1	2	0	4	5	2	0	3	5	3	5
129	78	HOND	CB750K	736	1	2	0	5	5	5	5	5	5	5	1	2	0	2	0	5	1	1	2	0	5	5	2	0	5	5	1	5
					2	2	0	5	5	5	5	5	5	5	5	2	0	2	0	5	2	0	2	0	5	5	2	0	5	5	2	5
130	78	HOND	CB750K	736	1	2	0	5	5	5	5	5	5	5	3	2	0	2	0	5	2	0	2	0	5	5	2	0	5	5	2	5
					2	2	0	5	5	5	5	5	5	5	1	2	0	2	0	5	2	0	2	0	5	5	2	0	5	5	1	5
134	78	HOND	CX500	500	1	2	0	5	5	5	5	5	5	5	1	2	0	2	0	5	2	0	2	0	5	5	2	0	5	5	1	5
135	78	HOND	CX500	500	1	2	0	5	5	5	5	5	5	5	1	2	0	2	0	5	2	0	2	0	5	5	2	0	5	5	1	5
136	78	HOND	CX500	500	1	2	0	3	4	3	3	3	3	3	1	2	0	2	0	4	2	0	2	0	4	4	2	0	4	4	1	4
					2	2	0	5	5	4	5	5	5	5	1	2	0	2	0	4	2	0	2	0	5	5	2	0	5	5	1	5
137	78	HOND	CX500	500	1	2	0	5	5	5	5	5	5	5	1	2	0	2	0	5	2	0	2	0	5	5	2	0	5	5	2	5
					2	2	0	5	5	5	5	5	5	5	1	2	0	2	0	5	2	0	2	0	5	5	2	0	5	5	1	5
138	78	HOND	CX500	500	1	2	0	5	5	5	5	5	5	5	4	2	0	2	0	5	2	0	2	0	5	4	2	0	5	5	5	4
139	78	HOND	XL250S	249	1	2	0	5	5	5	5	5	5	4	2	2	0	2	0	4	2	0	2	0	5	5	2	0	5	5	2	5
140	78	HOND	XL250S	249	1	2	0	5	5	5	5	5	5	5	2	2	0	2	0	5	2	0	2	0	5	5	2	0	5	5	1	5
					2	2	0	5	5	5	5	5	5	4	3	2	0	2	0	5	2	0	2	0	5	5	2	0	5	5	2	5
141	78	HOND	XL250S	249	1	2	0	5	5	5	5	5	5	5	2	2	0	2	0	4	2	0	2	0	4	5	1	1	5	5	2	5
					2	2	0	4	4	4	4	4	4	4	1	2	0	1	1	5	2	0	2	0	5	5	2	0	5	5	2	5
142	78	HOND	CM185T	180	1	2	0	4	4	4	3	4	4	4	1	1	1	2	0	3	2	0	1	1	4	4	2	0	4	4	1	4
143	78	HOND	CM185T	180	1	2	0	5	5	5	5	5	5	5	2	2	0	1	1	4	1	2	2	0	4	4	2	0	4	4	1	4
					2	2	0	5	5	5	5	5	5	5	3	2	0	2	0	5	2	0	2	0	5	5	2	0	5	5	5	5
155	78	YAMA	XS400ZE	391	1	2	0	5	5	5	4	5	5	5	9	1	1	2	0	4	1	2	1	1	4	4	1	1	4	4	9	4
158	78	KAWA	KZ1000	1015	1	2	0	5	5	5	5	5	5	5	2	2	0	2	0	5	2	0	2	0	5	5	2	0	5	5	1	5
					2	2	0	5	5	5	5	5	5	5	1	2	0	2	0	5	2	0	2	0	5	5	2	0	5	5	2	5
159	78	KAWA	KZ1000B2	1015	1	2	0	5	5	5	5	5	5	5	2	2	0	2	0	5	2	0	2	0	5	5	2	0	5	5	3	5
					2	2	0	5	5	5	5	5	5	5	1	2	0	2	0	4	1	2	1	3	4	4	2	0	4	4	1	4
160	78	KAWA	KZ650B	652	1	2	0	5	5	5	5	5	5	5	1	2	0	2	0	4	2	0	2	0	4	4	2	0	4	4	2	5
					2	2	0	5	5	5	5	5	5	5	2	2	0	2	0	4	2	0	1	1	5	5	2	0	5	5	2	5
161	78	KAWA	KZ650B	652	1	2	0	5	5	5	1	4	5	5	1	2	0	2	0	4	2	0	1	2	4	4	2	0	4	4	1	4
162	78	KAWA	KZ650	652	1	2	0	5	5	5	5	5	5	5	1	2	0	2	0	5	2	0	2	0	5	5	2	0	5	5	1	5
					2	2	0	5	5	5	5	5	5	5	1	1	1	2	0	4	2	0	2	0	5	5	2	0	5	5	3	5
163	78	KAWA	KZ1000	1015	1	2	0	4	4	4	4	4	4	4	2	2	0	2	0	4	2	0	2	0	4	4	2	0	4	4	1	4
164	78	KAWA	KZ1000A2	1015	1	2	0	5	5	5	5	5	5	5	3	2	0	2	0	5	2	0	2	0	5	5	2	0	5	5	2	5
					2	2	0	5	5	5	5	5	5	5	2	2	0	2	0	4	2	0	2	0	5	5	2	0	5	5	1	5
165	78	KAWA	KZ1000	1015	1	2	0	5	5	5	5	5	5	5	2	2	0	2	0	5	2	0	1	1	5	5	2	0	5	5	2	5
166	78	KAWA	KZ650B2A	652	1	2	0	5	5	5	5	5	5	5	2	2	0	2	0	5	2	0	2	0	5	5	2	0	5	5	2	5
167	78	KAWA	KZ650B	652	1	1	2	5	5	5	5	5	5	5	2	2	0	2	0	5	2	0	2	0	5	5	2	0	5	5	4	5
168	78	KAWA	KZ650B	652	1	2	0	4	4	4	4	4	4	4	4	1	1	2	0	4	2	0	1	1	5	5	2	0	5	5	2	5
					2	2	0	4	4	4	4	4	4	4	4	2	0	2	0	4	1	3	1	1	4	4	2	0	4	4	1	4
169	78	KAWA	KZ650D	652	1	1	1	4	4	4	5	5	5	5	1	2	0	2	0	4	1	1	1	1	5	5	2	0	5	5	4	5

APPENDIX K

LISTING OF DRIVEABILITY EVALUATIONS ON INDIVIDUAL VEHICLES

LOS ANGELES

SN=1, AS RECEIVED; SN=2, AFTER REST. MAINT.

VEHICLE NUMBER	YR	MAKE	MODEL	CCD	SN	CONSTANT SPEED PHASE					ACCEL PHASE			COLD START PHASE (DYNAMOMETER)								DRIVE AWAY PHASE (DYNAMOMETER)							RESTART PHASE			
						1	1A	2	3	4	5	6	7	8	9	10	10A	11	11A	12	13	13A	14	14A	15	16	17	17A	18	19	20	21
170	78	KAWA	KZ650B	652	1	2	0	5	5	5	5	5	5	5	6	2	0	2	0	4	2	0	2	0	4	4	2	0	4	4	2	4
					2	2	0	5	5	5	5	5	5	5	1	2	0	2	0	5	2	0	2	0	5	5	2	0	5	5	2	5
171	78	KAWA	KZ650D1	652	1	2	0	5	5	5	5	5	5	5	1	2	0	2	0	4	2	0	2	0	5	5	2	0	5	5	1	5
172	78	KAWA	KZ650B2	652	2	2	0	4	4	4	4	4	4	4	1	2	0	2	0	4	1	1	1	1	4	4	2	0	4	4	2	4
					1	2	0	5	5	5	5	5	5	5	3	2	0	2	0	5	2	0	1	1	5	5	2	0	5	5	2	5
173	78	KAWA	KZ650B	652	2	2	0	5	5	5	5	5	5	5	1	2	0	2	0	4	2	0	2	0	5	5	2	0	5	5	1	5
					1	1	1	5	5	5	5	5	5	5	1	1	1	2	0	4	2	0	2	0	4	4	2	0	4	4	1	4
174	78	KAWA	KZ650B	652	1	2	0	4	5	5	5	5	5	4	2	2	0	2	0	5	2	0	2	0	5	4	2	0	5	4	1	4
176	78	SUZU	GS1000E	997	1	2	0	5	5	5	5	5	5	5	1	2	0	2	0	5	2	0	2	0	5	5	2	0	5	5	1	5
177	78	SUZU	GS1000	997	1	2	0	4	4	4	4	4	4	4	1	2	0	2	0	5	2	0	2	0	5	5	2	0	5	5	2	5
182	78	SUZU	GS750E	748	2	1	1	5	5	5	5	5	5	5	7	1	1	1	1	4	2	0	2	0	5	5	1	1	5	5	2	5
185	78	SUZU	GS550E	549	1	2	0	5	5	5	5	5	5	5	1	2	0	2	0	4	2	0	2	0	5	5	2	0	5	5	1	5
187	78	SUZU	GS400	398	2	2	0	4	4	4	5	5	4	4	1	2	0	2	0	5	2	0	2	0	5	5	2	0	5	5	1	5
					1	2	0	5	5	5	5	5	5	5	1	2	0	2	0	5	2	0	2	0	5	5	2	0	5	5	1	5
188	78	SUZU	SP370C	370	2	2	0	5	5	5	5	5	5	5	1	2	0	2	0	5	2	0	2	0	5	5	2	0	5	5	6	5
189	78	SUZU	SP370	370	1	2	0	5	5	5	5	5	5	5	2	2	0	1	1	4	2	0	2	0	4	4	2	0	4	4	2	4
193	78	HARL	FXE	1200	1	2	0	5	5	5	5	5	5	5	5	2	0	2	0	5	2	0	2	0	5	5	2	0	5	5	1	5
194	79	HARL	XLH1000	1000	1	2	0	4	4	4	4	4	4	4	2	2	0	2	0	4	2	0	2	0	5	5	2	0	5	5	1	5
217	78	KAWA	KZ650D1	652	1	2	0	5	5	5	5	5	5	5	2	2	0	2	0	5	2	0	2	0	5	5	2	0	5	5	1	5
					2	2	0	5	5	5	5	5	5	5	2	2	0	2	0	4	2	0	2	0	5	5	2	0	5	5	1	5
218	78	KAWA	KZ650B	652	1	2	0	5	5	5	5	5	5	5	1	2	0	2	0	5	2	0	2	0	5	5	2	0	5	5	1	5
219	78	KAWA	KZ650B2	652	1	2	0	5	5	5	5	5	5	5	3	2	0	2	0	5	2	0	2	0	5	5	2	0	5	5	1	5
					2	2	0	5	5	5	5	5	5	5	3	2	0	2	0	4	2	0	2	0	5	5	2	0	5	5	3	5
220	78	KAWA	KZ650B	652	1	2	0	5	5	5	5	5	5	5	2	2	0	2	0	5	2	0	2	0	5	5	2	0	5	5	1	5
					2	2	0	5	5	5	5	5	5	5	1	2	0	2	0	4	2	0	2	0	5	5	2	0	5	5	2	5
221	78	KAWA	KZ650D1	652	1	2	0	5	5	5	5	5	5	5	2	2	0	2	0	5	2	0	2	0	5	5	2	0	5	5	1	5
					2	2	0	5	5	5	5	5	5	5	6	2	0	2	0	5	2	0	2	0	5	5	2	0	5	5	2	5
227	78	SUZU	GS400	398	1	2	0	5	5	5	5	5	5	5	3	1	2	2	0	3	2	0	2	0	5	4	2	0	5	5	3	5
					2	2	0	5	5	5	5	5	5	5	1	2	0	2	0	4	2	0	2	0	4	4	2	0	4	4	1	4
228	78	SUZU	SP370	370	1	2	0	5	5	5	5	5	5	5	1	2	0	1	1	4	2	0	2	0	4	4	2	0	4	4	1	4
					2	2	0	5	5	5	5	5	5	5	1	2	0	2	0	5	2	0	2	0	5	5	2	0	5	5	1	5

APPENDIX L

LISTING OF EMISSION COMPONENT INSPECTION INFORMATION ON INDIVIDUAL VEHICLES

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RESTORATIVE MAINTENANCE
MOTORCYCEE INSPECTION FORM

Task Card Proj: [9] (1) [01] (2-3) [1] (4)
Site: [ ] (5)
Veh. #: [ ] (6-8)

	Comments	Performance Code	Action
1. Induction System - System Evaluation_____ (9)			
01 Air Filter Element		01_____ (10)	_____(11)
02 Hoses, Tubes, Lines, Wires		02_____ (12)	_____(13)
03 Other		03_____ (14)	_____(15)
2. Carburetor and Fuel System (Fuel Sub-System) - System Evaluation_____(16)			
01 Carburetor Assembly		01_____ (17)	_____(18)
02 Limiter Cap(s)		02_____ (19)	_____(20)
03 Idle Mixture Adjustment (Pilot Screw)		03_____ (21)	_____(22)
04 Throttle Adjustment		04_____ (23)	_____(24)
05 Jet Needle Adjustment (s)		05_____ (25)	_____(26)
06 Main Fuel Jet(s) Size(s)		06_____ (27)	_____(28)
07 Idle Speed (RPM)		07_____ (29)	_____(30)
08 Fast Idle Speed		08_____ (31)	_____(32)
09 Fuel Filter		09_____ (33)	_____(34)
10 Hoses, Lines, Wires		10_____ (35)	_____(36)
11 Other		11_____ (37)	_____(38)
3. Carburetor and Fuel System (Choke Sub-System) - System Evaluation_____(39)			
01 Choke Adjustments		01_____ (40)	_____(41)
02 Hoses, Lines, Wires		02_____ (42)	_____(43)
03 Other		03_____ (44)	_____(45)

System Evaluation Codes:

1 - No Malperformance 2 - Some Malperformance 3 - Not Applicable
Comments may also be used for Code 1 where more information may be appropriate. Examples are: record specifications and measured values, to denote a non OEM part, to better describe the condition of a component, to predict an early failure of a component.

Performance Codes:

1 - No Malperformance (Pass) 3 - Not Applicable 4 - Maladjusted 5 - Disabled 6 - Defective
7 - Inadequate or Improper Maintenance 8 - Improper Part Due to Misbuild 9 - Failed Non-OEM Part
Peformance code entries other than 1 or 3 must have comments. Comments should include a description of the problem, how it was diagnosed, how it could affect the outcome of the test and what was done to correct it prior to the second test.

Action Code: 0 = No Action 1 = Adjust 2 = Repair 3 = Replace

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	Comments	Performance Code	Action
4. Ignition System-System Evaluation_____ (46)			
01 Distributor Assembly		01_____ (47)	_____ (48)
02 Magneto Assembly		02_____ (49)	_____ (50)
03 Initial Timing		03_____ (51)	_____ (52)
04 Point Gap		04_____ (53)	_____ (54)
05 Dwell		05_____ (55)	_____ (56)
06 Spark Plug(s) and their wires		06_____ (57)	_____ (58)
07 Hoses, Lines, Wires (other than spark plug wires)		07_____ (59)	_____ (60)
08 Other		08_____ (61)	_____ (62)
5. Crankcase Ventilation System - System Evaluation_____ (63)			
01 Hoses, Lines		01_____ (64)	_____ (65)
02 Other		02_____ (66)	_____ (67)
6. Exhaust System - System Evaluation_____ (68)			
01 Exhaust Manifold(s)		01_____ (69)	_____ (70)
02 Muffler(s)		02_____ (71)	_____ (72)
03 Tailpipe(s)		03_____ (73)	_____ (74)
04 Spark Arrestor(s)		04_____ (75)	_____ (76)
05 Other		05_____ (77)	_____ (78)

System Evaluation Codes:

1 - No Malperformance 2 - Some Malperformance 3 - Not Applicable
Comments may also be used for Code 1 where more information may be appropriate. Examples are: record specifications and measured values, to denote a non-OEM part, to better describe the condition of a component, to predict an early failure of a component.

Performance Codes:

1 - No Malperformance (Pass) 3 - Not Applicable 4 - Maladjusted 5 - Disabled 6 - Defective 7 - Inadequate or Improper Maintenance 8 - Improper Part Due to Misbuild 9 - Failed Non-OEM Part
Performance code entries other than 1 or 3 must have comments. Comments should include a description of the problem, how it was diagnosed, how it could affect the outcome of the test and what was done to correct it prior to the second test.

Action Code: 0 = No Action 1 = Adjust 2 = Repair 3 = Replace

Task Card Proj: [9] (1) [02] (2-3) [1] (4) Site Veh #: [ ] (5) [ ] (6-8)

RESTORATIVE MAINTENANCE
MOTORCYCLE INSPECTION FORM

	Comments	Performance Code	Action
7. Internal Engine and Misc. Components - System Evaluation _____ (9)			
01 Engine Assembly		01 _____ (10)	_____ (11)
02 Engine Oil and Filter		02 _____ (12)	_____ (13)
03 Cooling System		03 _____ (14)	_____ (15)
04 Mechanical Valve Adjustment		04 _____ (16)	_____ (17)
05 Carburetor and Intake Manifold Mounting Bolts		05 _____ (18)	_____ (19)
06 Hoses, Lines, Wires		06 _____ (20)	_____ (21)
07 Other		07 _____ (22)	_____ (23)
8. Drive Train System - System Evaluation _____ (24)			
01 Wheels (front and rear)		01 _____ (25)	_____ (26)
02 Tires (front and rear)		02 _____ (27)	_____ (28)
03 Cam Chain Adjustment		03 _____ (29)	_____ (30)
04 Drive Chain		04 _____ (31)	_____ (32)
05 Sprockets (front and rear)		05 _____ (33)	_____ (34)
06 Other		06 _____ (35)	_____ (36)

Man-hours Required for Inspection _____ (37-39)

System Evaluation Codes:

1 - No Malperformance 2 - Some Malperformance 3 - Not Applicable
Comments may also be used for Code 1 where more information may be appropriate. Examples are: record specifications and measured values, to denote a non-OEM part, to better describe the condition of a component, to predict an early failure of a component.

Performance Codes:

1 - No Malperformance (pass) 3 - Not Applicable 4 - Maladjusted 5 - Disabled 6 - Defective 7 - Inadequate or Improper Maintenance 8 - Improper Part Due to Misbuild 9 - Failed Non-OEM Part
Performance code entries other than 1 or 3 must have comments. Comments should include a description of the problem, how it was diagnosed, how it could affect the outcome of the test and what was done to correct it prior to the second test.

Action Code: 0 = No Action 1 = Adjust 2 = Repair 3 = Replace

APPENDIX L
(INSPECTION)
LISTING OF EMISSION COMPONENT INSPECTION INFORMATION
ON INDIVIDUAL VEHICLES

LOS ANGELES

THE E COLUMN GIVES THE EVALUATION FOR EACH SYSTEM SHOWN

	INDUCT.		(FUEL)CARB AND FUEL SYSTEM(CHOKE)											IGNITION SYSTEM								PCV	EXHAUST SYS				INTERNAL ENGINE							DRIVE TRAIN						MAN
VEH	1	1	2	3	2	1	2	3	4	5	6	7	8	9	10	11	3	1	2	3	4	1	2	3	4	5	6	7	8	5	1	2	6	1	2	3	4	5	7	1	2	3	4	5	6	7	8	1	2	3	4	5	6	HOURS
NO.	E	I	I	I	E	I	I	I	I	I	I	I	I	I	I	I	E	I	I	I	E	I	I	I	I	I	I	I	I	E	I	I	E	I	I	I	I	I	E	I	I	I	I	I	I	I	E	I	I	I	I	I	I	
1	2	7	1	3	2	1	1	1	3	1	1	1	1	1	1	4	1	1	1	3	2	3	3	4	4	4	1	1	3	1	1	3	1	1	1	1	3	3	2	1	1	1	4	1	1	3	1	1	1	3	3	3	3	1.5
2	2	7	1	3	2	1	3	4	1	3	9	1	1	1	1	4	1	1	1	3	2	3	3	4	4	4	7	1	3	1	1	3	1	1	1	1	3	3	2	1	4	1	4	1	1	3	1	1	1	3	3	3	3	1.5
3	1	1	1	3	2	1	3	4	1	1	1	1	4	1	1	1	4	1	1	1	3	2	3	3	4	4	4	7	1	7	1	1	3	1	1	1	1	3	3	2	1	1	1	4	1	1	3	1	1	1	3	3	3	3	1.0
4	1	1	1	3	2	1	3	4	1	1	1	1	1	1	1	4	1	1	1	3	2	3	3	1	1	4	7	1	3	1	1	3	1	1	1	1	3	3	2	1	1	1	4	1	1	3	1	1	1	3	3	3	3	1.0
5	2	7	1	6	2	5	3	1	1	1	1	1	4	1	1	4	1	1	1	3	2	3	3	1	4	4	9	1	7	1	1	3	2	9	9	3	3	3	2	1	1	1	4	1	1	3	2	7	7	4	1	1	3	1.5
6	1	1	1	3	2	1	3	4	1	1	1	1	1	1	1	4	1	1	1	3	2	3	3	4	4	4	7	1	3	1	1	3	1	1	1	3	3	3	2	1	1	1	4	7	1	3	2	1	1	4	7	1	3	1.5
7	1	1	1	3	2	1	3	1	1	1	1	1	1	1	1	4	1	1	1	3	2	3	3	1	1	4	1	1	3	1	1	3	1	1	1	3	3	3	2	1	1	1	4	1	1	3	2	1	6	1	1	1	3	1.5
8	1	1	1	3	2	1	3	4	1	1	1	1	1	1	1	4	1	1	1	3	2	3	3	4	1	4	7	1	3	1	1	3	1	1	1	3	3	3	2	1	1	1	4	7	1	3	2	1	1	4	1	1	3	1.0
9	1	1	1	3	2	1	3	1	1	1	1	1	4	1	1	4	1	1	1	3	2	3	3	4	4	4	7	1	3	1	1	3	1	1	1	3	3	3	2	1	1	1	4	1	1	3	2	1	1	4	1	1	3	2.0
10	1	1	1	3	2	1	3	1	1	1	1	1	4	3	1	1	4	1	1	1	3	2	3	3	4	4	4	7	1	3	1	1	3	1	1	1	3	3	3	2	1	1	1	4	7	1	3	1	1	1	1	1	1	3	1.5
11	1	1	1	3	2	1	3	1	1	1	1	1	4	1	1	1	4	1	1	1	3	2	3	3	4	1	4	1	1	3	1	1	3	2	1	9	3	3	3	2	1	1	1	4	1	1	3	2	1	1	4	1	1	3	1.5
12	1	1	1	3	2	1	3	4	1	1	1	1	1	1	1	4	1	1	1	3	2	3	3	1	1	1	7	1	3	1	1	3	1	1	1	3	3	3	2	1	1	1	4	7	1	3	2	1	1	4	4	1	3	1.0
13	2	1	1	5	2	1	1	1	4	1	1	4	1	1	1	4	1	1	1	3	2	3	3	4	4	4	7	1	3	1	1	3	1	1	1	3	3	3	2	1	1	1	4	1	1	3	1	1	1	1	1	1	3	1.0
14	1	1	1	3	2	1	1	1	1	1	1	1	4	1	1	1	4	1	1	1	3	1	3	3	1	3	3	1	1	3	1	1	3	1	1	1	3	3	3	1	1	1	1	1	1	1	3	2	1	1	4	1	1	3	1.0
15	2	7	1	3	2	1	3	1	1	1	1	1	3	1	1	4	1	1	1	3	2	3	3	1	1	4	7	1	3	2	1	7	1	1	1	3	3	3	2	1	1	1	4	1	1	3	1	1	1	4	1	1	3	1.5
18	1	1	1	3	2	1	3	1	1	1	1	1	1	1	1	3	1	1	1	3	2	3	1	4	1	4	1	1	3	1	1	3	1	1	1	1	3	3	2	1	7	1	4	1	1	3	2	1	1	4	1	1	3	1.0
19	2	7	1	3	1	1	3	1	1	1	1	1	3	1	1	3	1	1	1	3	2	3	3	4	4	4	1	1	3	1	1	3	1	1	1	3	1	3	1	1	1	1	1	1	1	3	2	7	1	4	4	1	3	.8
20	1	1	1	3	2	1	3	1	1	1	1	1	4	3	1	1	3	1	1	1	3	2	3	1	1	1	4	1	1	3	1	1	3	1	1	1	1	1	1	1	1	1	1	1	1	3	1	1	1	1	1	1	1	3	1.0
21	2	7	7	3	2	1	3	1	4	1	1	1	4	1	1	1	3	2	1	1	3	2	3	3	1	4	4	7	1	3	1	1	3	1	1	1	1	3	3	2	1	1	1	4	1	1	3	1	1	1	1	1	1	3	1.0
22	2	7	1	3	1	1	3	1	1	1	1	1	1	1	1	3	1	1	1	3	2	3	3	4	1	1	1	1	3	1	1	3	1	1	1	1	1	3	2	1	1	1	1	4	1	1	3	1	1	1	1	1	1	3	1.0
23	1	1	1	3	1	1	3	4	1	1	1	4	3	1	1	3	1	1	1	3	2	3	1	4	4	4	1	1	3	1	1	3	1	1	1	1	1	3	2	1	1	1	4	1	1	3	1	1	1	1	1	1	3	1.1
24	1	1	1	3	2	1	3	1	1	1	1	4	3	1	1	3	1	1	1	3	2	3	1	4	1	1	1	1	3	1	1	3	1	1	1	1	1	3	2	1	1	1	4	1	1	3	1	1	1	1	1	1	3	.5
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26	2	7	1	3	2	1	1	1	1	1	1	4	1	1	1	3	1	1	1	3	1	1	1	1	1	1	1	1	3	1	1	3	1	1	1	3	3	3	2	1	1	1	4	1	1	3	1	1	1	1	3	3	3	1.0
28	2	5	1	3	1	1	3	1	1	1	1	1	1	1	1	3	1	1	1	3	2	3	1	4	1	1	1	1	3	1	1	3	2	1	9	3	5	3	1	1	1	1	1	1	1	3	2	1	1	4	1	1	3	1.3
36	1	1	1	3	2	1	1	1	1	1	1	1	1	1	1	4	1	1	1	3	2	3	3	1	1	4	1	1	3	1	1	3	1	1	1	3	3	3	2	1	1	1	4	1	1	3	1	1	1	1	1	1	3	1.0
38	1	1	1	3	2	1	3	1	1	1	1	1	4	1	1	1	4	1	1	1	3	2	3	3	4	4	4	7	1	3	1	1	3	1	1	1	3	3	3	1	1	1	1	1	1	1	3	1	1	1	1	1	1	3	1.2
39	1	1	1	3	1	1	3	1	1	1	1	4	1	1	1	3	1	1	1	3	2	3	3	1	4	4	7	1	3	1	1	3	1	1	1	3	3	3	1	1	1	1	1	1	1	3	2	1	1	4	1	1	3	2.0
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41	1	1	1	3	2	1	3	4	1	1	1	1	1	1	1	1	1	1	1	3	2	3	3	4	4	4	7	1	3	1	1	3	1	1	1	3	3	3	1	1	1	1	1	1	1	3	1	1	1	1	1	1	3	1.3
44	1	1	1	3	2	1	3	1	1	1	1	4	1	1	1	4	1	1	1	3	2	3	3	4	1	1	7	1	3	1	1	3	1	1	1	3	3	3	2	1	1	1	4	1	1	3	1	1	1	1	1	1	3	2.0
45	1	1	1	3	2	1	3	4	1	1	1	4	1	1	1	4	1	1	1	3	2	3	3	4	4	4	7	1	3	1	1	3	1	1	1	3	3	3	2	1	1	1	4	1	1	3	1	1	1	1	1	1	3	2.0
46	1	1	1	3	2	1	3	4	1	1	1	1	1	1	1	4	1	1	1	3	2	3	3	1	1	1	7	1	3	1	1	3	1	1	1	3	3	3	1	1	1	1	1	1	1	3	1	1	1	1	1	1	3	1.7
47	1	1	1	3	2	1	3	4	1	1	1	1	4	1	1	4	1	1	1	3	2	3	3	1	1	1	7	1	3	1	1	3	1	1	1	3	3	3	1	1	1	1	1	1	1	3	1	1	1	1	1	1	3	2.0
51	1	1	1	3	2	1	5	4	4	1	1	4	1	1	1	3	1	1	1	3	2	3	1	4	4	4	1	1	6	1	1	3	1	1	1	1	3	3	2	1	1	1	4	1	1	3	1	1	1	1	1	1	3	1.0
52	2	7	1	3	2	1	3	4	1	1	1	1	1	1	1	4	1	1	1	3	2	3	3	4	4	4	1	1	3	1	1	3	1	1	1	1	3	3	1	1	1	1	1	1	1	3	1	1	1	3	3	3	3	4.0
53	2	7	1	3	2	1	1	1	1	1	1	4	1	1	1	4	1	1	1	3	2	3	3	4	6	4	9	1	3	1	1	3	1	1	1	1	3	3	1	1	1	1	1	1	1	3	1	1	1	3	3	3	3	1.5
54	1	1	1	3	2	1	1	1	1	3	1	4	1	1	1	1	1	1	1	3	2	3	3	4	6	4	6	1	3	1	1	3	1	1	1	1	3	3	1	1	1	1	1	1	1	3	1	1	1	3	3	3	3	2.0
56	1	1	1	3	2	1	5	4	1	1	1	1	4	1	1	3	2	4	1	3	1	3	1	1	1	1	1	1	3	1	1	3	1	1	1	1	3	3	1	1	1	1	1	1	1	3	1	1	1	3	3	3	3	2.0
57	1	1	1	3	2	1	5	4	1	1	1	4	1	1	1	3	1	1	1	3	1	1	1	1	1	1	1	1	9	1	1	3	1	1	1	1	1	3	2	1	1	3	4	1	1	3	1	1	1	1	1	1	3	4.0
58	1	1	1	3	2	1	5	4	1	1	1	4	3	1	1	3	1	1	1	3	2	1	1	4	1	1	1	1	3	1	1	1	1	1	1	1	1	3	2	1	1	1	4	1	1	3	1	1	1	1	1	1	3	2.0
59	1	1	1	3	2	1	3	4	1	1	1	1	1	1	1	4	1	1	1	3	2	3	3	4	1	4	7	1	3	1	1	3	1	1	1	3	3	3	2	1	1	1	4	7	1	3	2	1	1	4	1	1	3	1.0

APPENDIX L
(ACTION)
LISTING OF EMISSION COMPONENT INSPECTION INFORMATION
ON INDIVIDUAL VEHICLES

LOS ANGELES

THE E COLUMN GIVES THE EVALUATION FOR EACH SYSTEM SHOWN

	INDUCT.	(FUEL)	CARB AND FUEL SYSTEM										(CHOKE)	IGNITION SYSTEM								PCV		EXHAUST SYS					INTERNAL ENGINE							DRIVE TRAIN					
VEH NO.	1 E	1 A	2 A	3 A	2 E	1 A	2 A	3 A	4 A	5 A	6 A	7 A	8 A	9 A	10 A	11 A	3 E	1 A	2 A	3 A	4 E	1 A	2 A	3 A	4 A	5 A	6 A	7 A	8 A	5 E	1 A	2 A	6 E	1 A	2 A	3 A	4 A	5 A	7 E	1 A	2 A	3 A	4 A	5 A	6 A
1	2	3	0	0	2	0	0	0	0	0	0	0	0	0	0	1	1	0	0	0	2	0	0	1	3	1	0	0	0	1	0	0	1	0	0	0	0	0	2	0	0	0	1	0	0	0	1	0	0	0	0	0
2	2	3	0	0	2	0	0	1	0	0	3	0	0	0	0	1	1	0	0	0	2	0	0	1	1	1	3	0	0	1	0	0	1	0	0	0	0	0	2	0	1	0	1	0	0	0	1	0	0	0	0	0
3	1	0	0	0	2	0	0	1	0	0	0	1	0	0	0	1	1	0	0	0	2	0	0	1	1	1	3	0	3	1	0	0	1	0	0	0	0	0	2	0	0	0	1	0	0	0	1	0	0	0	0	0
4	1	0	0	0	2	0	0	1	0	0	0	0	0	0	0	1	1	0	0	3	2	0	0	0	0	3	3	0	0	1	0	0	1	0	0	0	0	0	2	0	0	0	1	1	0	0	2	0	0	1	0	0
5	2	3	0	2	2	2	0	0	0	0	0	0	1	0	0	1	1	0	0	0	2	0	0	0	1	1	3	0	3	1	0	0	2	3	3	0	0	0	2	0	0	0	1	0	0	0	2	1	0	1	0	0
6	1	0	0	0	2	0	0	1	0	0	0	0	0	0	0	1	1	0	0	0	2	0	0	1	1	1	3	0	0	1	0	0	1	0	0	0	0	0	2	0	0	0	1	2	0	0	2	0	0	1	0	0
7	1	0	0	0	2	0	0	0	0	0	0	0	0	0	0	1	1	0	0	0	2	0	0	0	0	1	0	0	0	1	0	0	1	0	0	0	0	0	2	0	0	0	1	2	0	0	2	0	0	1	0	0
8	1	0	0	0	2	0	0	1	0	0	0	0	0	0	0	1	1	0	0	0	2	0	0	1	0	1	3	0	0	1	0	0	1	0	0	0	0	0	2	0	0	0	1	0	0	0	2	0	3	0	0	0
9	1	0	0	0	2	0	0	0	0	0	0	1	0	0	0	1	1	0	0	0	2	0	0	1	1	1	3	0	0	1	0	0	1	0	0	0	0	0	2	0	0	0	1	2	0	0	2	0	0	0	0	0
10	1	0	0	0	2	0	0	0	0	0	0	1	0	0	0	1	1	0	0	0	2	0	0	1	1	1	3	0	0	1	0	0	1	0	0	0	0	0	2	0	0	0	1	2	0	0	1	0	0	0	0	0
11	1	0	0	0	2	0	0	0	0	0	0	1	0	0	0	1	1	0	0	0	2	0	0	1	0	1	0	0	0	1	0	0	2	0	3	0	0	0	2	0	0	0	1	0	0	0	2	0	0	1	0	0
12	1	0	0	0	2	0	0	1	0	0	0	0	0	0	0	1	1	0	0	0	2	0	0	0	0	0	3	0	0	1	0	0	1	0	0	0	0	0	2	0	0	0	1	2	0	0	2	0	0	1	0	0
13	2	0	0	2	2	0	0	0	1	0	0	1	0	0	0	1	1	0	0	0	2	0	0	1	1	1	3	0	0	1	0	0	1	0	0	0	0	0	2	0	0	0	1	0	0	0	1	0	0	0	0	0
14	1	0	0	0	2	0	0	0	0	0	0	1	0	0	0	1	1	0	0	0	1	0	0	0	0	0	0	0	0	1	0	0	1	0	0	0	0	0	1	0	0	0	0	0	0	0	2	0	0	1	0	0
15	2	3	0	0	2	0	0	0	0	0	0	0	0	0	0	1	1	0	0	0	2	0	0	0	0	1	3	0	0	2	0	3	1	0	0	0	0	0	2	0	0	0	1	0	0	0	1	0	0	1	0	0
18	1	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	2	0	0	1	0	0	0	0	0	1	0	0	1	0	0	0	0	0	2	0	2	0	1	0	0	0	2	0	0	1	0	0
19	2	2	0	0	1	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	2	0	0	1	1	1	0	0	0	1	0	0	1	0	0	0	0	0	1	0	0	0	0	0	0	0	2	2	0	1	1	0
20	1	0	0	0	2	0	0	0	0	0	0	1	0	0	0	0	1	0	0	0	2	0	0	0	0	0	0	0	0	1	0	0	1	0	0	0	0	0	1	0	0	0	0	0	0	0	1	0	0	0	0	0
21	2	2	2	0	2	0	0	0	1	0	0	1	0	0	0	0	2	0	0	0	2	0	0	0	1	1	3	0	0	1	0	0	1	0	0	0	0	0	2	0	0	0	1	0	0	0	1	0	0	0	0	0
22	2	2	0	0	1	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	2	0	0	1	0	0	0	0	0	1	0	0	1	0	0	0	0	0	2	0	0	0	1	0	0	0	1	0	0	0	0	0
23	1	0	0	0	1	0	0	1	0	0	0	1	0	0	0	0	1	0	0	0	2	0	0	1	1	1	0	0	0	1	0	0	1	0	0	0	0	0	2	0	0	0	1	0	0	0	1	0	0	0	0	0
24	1	0	0	0	2	0	0	0	0	0	0	1	0	0	0	0	1	0	0	0	2	0	0	1	0	0	0	0	0	1	0	0	1	0	0	0	0	0	2	0	0	0	1	0	0	0	2	0	0	1	0	0
25	1	0	0	0	2	0	0	0	0	0	0	1	0	0	0	1	1	0	0	0	1	0	0	0	0	0	0	0	0	1	0	0	1	0	0	0	0	0	2	0	0	0	1	0	0	0	1	0	0	0	0	0
26	2	2	0	0	2	0	0	0	0	0	0	1	0	0	0	0	1	0	0	0	1	0	0	0	0	0	0	0	0	1	0	0	1	0	0	0	0	0	2	0	0	0	1	0	0	0	2	0	0	1	0	0
28	2	3	0	0	1	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	2	0	0	1	0	0	0	0	0	1	0	0	2	0	3	0	1	0	0	0	0	0	2	0	0	1	0	0	0	0	0	0
36	1	0	0	0	2	0	0	0	0	0	0	0	0	0	0	1	1	0	0	0	2	0	0	0	0	0	0	0	0	1	0	0	1	0	0	0	0	0	2	0	0	0	1	0	0	0	1	0	0	0	0	0
38	1	0	0	0	2	0	0	0	0	0	0	1	0	0	0	1	1	0	0	0	2	0	0	1	1	1	3	0	0	1	0	0	1	0	0	0	0	0	1	0	0	0	0	0	0	0	1	0	0	0	0	0
39	1	0	0	0	1	0	0	0	0	0	0	1	0	0	0	0	1	0	0	0	2	0	0	0	1	1	3	0	0	1	0	0	1	0	0	0	0	0	1	0	0	0	0	0	0	0	2	0	0	1	0	0
40	1	0	0	0	2	0	0	0	0	0	0	0	0	0	0	1	1	0	0	0	2	0	0	1	1	1	0	0	0	1	0	0	1	0	0	0	0	0	1	0	0	0	0	0	0	0	2	0	0	1	0	0
41	1	0	0	0	2	0	0	1	0	0	0	0	0	0	0	0	1	0	0	0	2	0	0	1	1	1	3	0	0	1	0	0	1	0	0	0	0	0	1	0	0	0	0	0	0	0	1	0	0	0	0	0
44	1	0	0	0	2	0	0	0	0	0	0	1	0	0	0	1	1	0	0	0	2	0	0	1	0	0	3	0	0	1	0	0	1	0	0	0	0	0	2	0	0	0	1	0	0	0	1	0	0	0	0	0
45	1	0	0	0	2	0	0	1	0	0	0	1	0	0	0	1	1	0	0	0	2	0	0	1	1	1	3	0	0	1	0	0	1	0	0	0	0	0	2	0	0	0	1	0	0	0	1	0	0	0	0	0
46	1	0	0	0	2	0	0	1	0	0	0	0	0	0	0	1	1	0	0	0	2	0	0	0	0	0	3	0	0	1	0	0	1	0	0	0	0	0	1	0	0	0	0	0	0	0	1	0	0	0	0	0
47	1	0	0	0	2	0	0	1	0	0	0	0	1	0	0	1	1	0	0	0	2	0	0	0	0	0	3	0	0	1	0	0	1	0	0	0	0	0	1	0	0	0	0	0	0	0	1	0	0	0	0	0
51	1	0	0	0	2	0	0	1	1	0	0	1	0	0	0	0	1	0	0	0	2	0	0	1	1	1	0	0	3	1	0	0	1	0	0	0	0	0	2	0	0	0	1	0	0	0	1	0	0	0	0	0
52	2	3	0	0	2	0	0	1	0	0	0	0	0	0	0	1	1	0	0	0	2	0	0	1	1	1	0	0	0	1	0	0	1	0	0	0	0	0	1	0	0	0	0	0	0	0	1	0	0	0	0	0
53	2	3	0	0	2	0	0	0	0	0	0	1	0	0	0	1	1	0	0	0	2	0	0	1	3	1	3	0	0	1	0	0	1	0	0	0	0	0	1	0	0	0	0	0	0	0	1	0	0	0	0	0
54	1	0	0	0	2	0	0	0	0	0	0	1	0	0	0	0	1	0	0	0	2	0	0	1	3	1	3	0	0	1	0	0	1	0	0	0	0	0	1	0	0	0	0	0	0	0	1	0	0	0	0	0
56	1	0	0	0	2	0	0	1	0	0	0	0	1	0	0	0	2	1	0	0	1	0	0	0	0	0	0	0	0	1	0	0	1	0	0	0	0	0	2	0	0	0	1	0	0	0	1	0	0	0	0	0
57	1	0	0	0	2	0	0	1	0	0	0	1	0	0	0	0	1	0	0	0	1	0	0	0	0	0	0	0	0	1	0	0	1	0	0	0	0	0	2	0	0	0	1	0	0	0	1	0	0	0	0	0
58	1	0	0	0	2	0	0	1	0	0	0	1	0	0	0	0	1	0	0	0	2	0	0	1	0	0	0	0	0	1	0	0	1	0	0	0	0	0	2	0	0	0	1	0	0	0	1	0	0	0	0	0
59	1	0	0	0	2	0	0	1	0	0	0	0	0	0	0	1	1	0	0	0	2	0	0	1	0	1	3	0	0	1	0	0	1	0	0	0	0	0	2	0	0	0	1	2	0	0	2	0	0	1	0	0

APPENDIX L
(INSPECTION)
LISTING OF EMISSION COMPONENT INSPECTION INFORMATION
ON INDIVIDUAL VEHICLES

LOS ANGELES

THE E COLUMN GIVES THE EVALUATION FOR EACH SYSTEM SHOWN

	INDUCT.	(FUEL)	CARB AND FUEL SYSTEM															IGNITION SYSTEM									PCV	EXHAUST SYS				INTERNAL ENGINE						DRIVE TRAIN						MAN
VEH NO.	1 E	1 I	2 I	3 I	2 E	1 I	2 I	3 I	4 I	5 I	6 I	7 I	8 I	9 I	10 I	11 I	(CHOKE) 3 E	1 I	2 I	3 I	4 E	1 I	2 I	3 I	4 I	5 I	6 I	7 I	8 I	5 E	1 I	2 I	6 E	1 I	2 I	3 I	4 I	5 E	7 I	1 I	2 I	3 I	4 I	5 I	6 I	7 I	8 E	1 I	2 I	3 I	4 I	5 I	6 I	HOURS
60	1	1	1	3	2	1	5	4	1	1	1	4	1	1	3	1	1	1	1	3	1	3	1	1	1	1	1	1	3	1	1	3	1	1	1	1	3	2	1	1	3	4	1	1	3	1	1	1	1	1	1	3	
61	1	1	1	3	2	1	3	1	1	1	1	1	3	1	1	4	1	1	1	3	2	3	3	4	4	4	9	1	3	1	1	3	1	1	1	1	3	2	1	1	1	4	1	1	3	1	1	1	1	1	1	3	2.0
62	1	1	1	3	2	1	1	1	1	1	1	4	3	1	1	4	1	1	1	3	2	3	3	4	4	4	9	1	3	1	1	3	1	9	9	3	3	3	2	1	1	1	4	1	1	3	1	1	1	1	1	1	3	1.0
63	1	1	1	3	2	1	1	1	1	1	1	4	3	1	1	4	1	1	1	3	2	3	3	4	4	4	9	1	3	1	1	3	1	1	1	1	3	3	2	1	1	1	4	1	1	3	1	1	1	1	1	1	3	1.5
64	1	1	1	1	1	1	3	1	1	1	1	1	3	1	1	3	1	1	1	3	2	3	3	4	1	4	1	1	3	1	1	3	1	1	1	1	3	3	3	2	1	1	1	4	1	1	3	1	1	1	1	1	1	3	2.0
65	2	7	1	7	2	1	3	1	1	1	1	1	3	1	1	4	1	1	1	3	2	3	3	4	4	4	1	1	3	1	1	3	1	1	1	1	1	3	1	1	1	1	1	1	1	3	1	1	1	1	1	1	3	3.0
66	2	6	1	1	1	1	3	1	1	1	1	1	3	1	1	3	1	1	1	3	2	3	3	1	1	4	1	1	3	1	1	3	1	1	1	1	3	3	2	1	7	1	4	1	1	3	2	1	1	4	1	1	3	1.0
67	2	6	1	3	1	1	1	1	1	1	1	1	3	1	1	4	1	1	1	3	2	3	3	4	1	4	6	1	3	1	1	3	1	1	1	1	3	3	2	1	1	1	4	1	1	3	1	1	1	2	1	1	4	1	1	3	2.0
68	1	1	1	3	2	1	1	1	1	1	1	4	1	1	1	3	1	1	1	3	2	3	3	4	4	4	4	1	3	1	1	3	1	1	1	1	3	3	2	1	1	1	4	1	1	3	1	1	1	1	1	1	3	2.0
69	2	7	1	3	1	1	1	1	1	1	1	1	1	1	1	3	1	1	1	3	1	1	1	1	1	1	1	1	3	1	1	3	1	1	1	1	3	3	2	1	1	1	4	1	1	3	1	1	1	1	1	1	3	3.0
70	2	7	1	3	2	1	1	1	1	1	1	4	1	1	1	4	1	1	1	3	2	3	3	4	1	4	9	1	3	1	1	3	1	1	1	1	3	3	2	1	1	1	4	1	1	3	1	1	1	1	1	1	3	2.0
71	1	1	1	3	1	1	5	1	1	1	1	1	1	1	1	3	1	1	1	3	1	1	1	1	1	1	1	1	3	1	1	3	1	1	1	1	3	3	3	2	1	1	4	1	1	3	1	1	1	1	1	1	3	1.5
72	1	1	1	3	1	1	1	1	1	1	1	1	1	1	1	3	1	1	1	3	1	1	1	1	1	1	1	1	3	1	1	3	1	1	1	1	3	3	1	1	1	1	1	1	1	3	1	1	1	1	1	1	3	2.0
73	2	7	1	3	1	1	1	1	1	1	1	1	1	1	1	1	1	1	3	3	1	1	1	1	1	1	1	1	3	1	1	3	1	1	1	1	3	3	1	1	1	1	1	1	1	3	1	1	1	1	1	1	3	1.0
74	1	1	1	3	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	3	2	3	3	1	1	3	7	1	3	1	1	3	1	1	1	1	3	3	3	1	1	1	1	1	1	3	1	1	1	1	1	1	3	1.0
75	1	1	1	3	2	1	1	1	1	1	1	1	1	1	1	4	1	1	1	3	2	3	3	1	3	3	7	1	3	1	1	3	1	1	1	1	3	3	3	2	1	1	4	1	1	3	1	1	1	1	1	1	3	1.5
76	1	1	1	3	1	1	1	1	1	1	1	1	1	1	1	3	1	1	1	3	2	3	3	1	3	3	7	1	3	1	1	3	1	1	1	1	3	3	3	1	1	1	1	1	1	3	2	1	1	4	1	1	3	1.2
78	2	7	1	3	2	1	3	4	1	1	1	4	3	1	3	3	1	1	1	3	2	3	1	4	1	4	6	1	6	1	1	3	1	1	1	1	1	3	2	1	1	1	4	1	1	3	1	1	1	3	1	1	3	1.0
79	2	7	1	6	2	1	3	4	4	4	1	1	3	1	1	3	1	1	1	3	1	3	1	1	1	1	1	1	3	1	1	3	1	1	1	1	1	3	2	1	1	1	4	1	1	3	1	1	1	3	1	1	3	4.0
81	2	1	5	3	2	1	3	4	1	1	1	4	1	1	1	3	1	1	1	3	2	3	1	4	1	4	7	1	3	1	1	3	1	1	1	1	1	3	2	1	1	1	4	1	1	3	1	1	1	1	1	1	3	1.5
82	1	1	1	3	2	1	3	4	1	1	1	4	3	1	1	3	1	1	1	3	1	3	3	4	1	4	1	1	3	1	1	3	1	1	1	1	1	3	1	1	1	1	1	1	1	3	2	1	1	1	4	1	3	1.5
83	1	1	1	3	2	1	3	4	1	1	1	4	3	3	1	3	1	1	1	3	1	3	3	4	4	4	1	1	3	1	1	3	1	1	1	1	1	2	1	1	1	4	1	1	3	1	1	1	1	1	1	3	1	1.0
84	1	1	1	3	1	1	3	1	1	1	1	1	3	1	1	3	1	1	1	3	1	3	3	4	4	4	1	1	3	1	1	3	1	1	1	1	1	1	2	1	1	1	4	1	1	3	1	1	1	1	1	1	3	3.0
85	1	1	1	3	2	1	3	1	1	1	1	4	3	1	1	3	1	1	1	3	1	3	1	1	1	1	1	1	3	3	3	3	1	1	1	1	1	3	1	1	1	1	1	1	1	3	1	1	1	1	1	1	3	1.5
86	1	1	1	3	1	1	1	1	1	1	1	1	3	1	1	3	1	1	1	3	1	3	1	1	1	1	1	1	3	3	3	3	1	1	1	1	1	3	2	1	1	1	4	1	1	3	2	1	1	1	4	1	3	2.0
87	1	1	1	3	2	1	1	4	7	1	1	1	3	1	1	6	1	1	1	3	1	3	1	1	1	1	1	1	3	1	1	3	1	1	1	1	1	3	2	1	1	1	4	1	1	3	2	1	1	1	1	3	3	8.0
88	2	9	9	3	2	1	1	1	4	4	9	1	3	1	1	3	1	1	1	3	2	1	1	4	1	1	6	3	6	1	1	3	1	1	1	1	1	3	2	1	1	1	4	1	1	3	2	1	1	4	1	1	3	4.0
89	1	1	1	3	2	1	3	1	1	1	1	4	3	1	1	3	1	1	1	3	1	3	1	1	1	1	1	1	3	1	1	3	1	1	1	1	1	3	2	1	1	1	4	1	1	3	2	1	1	4	1	1	3	4.0
90	1	1	1	3	2	1	3	1	1	1	1	4	3	1	1	3	1	1	1	3	1	3	1	1	1	1	1	1	3	1	1	3	2	1	1	1	1	6	1	1	1	1	1	1	1	3	1	1	1	1	1	1	3	3.0
91	1	1	1	3	1	1	3	1	1	1	1	1	3	1	1	3	1	1	1	3	1	3	1	1	1	1	1	1	3	1	1	3	1	1	1	1	1	3	1	1	1	1	1	1	1	3	1	1	1	1	1	1	3	4.0
92	1	1	1	3	2	1	3	1	1	1	1	4	1	1	1	3	1	1	1	3	2	3	1	4	1	1	7	1	3	1	1	3	1	1	1	1	3	3	3	1	1	1	1	1	1	3	1	1	1	1	1	1	3	5.0
93	1	1	1	3	2	1	3	4	1	1	1	1	1	1	1	3	1	1	1	3	2	3	1	4	1	1	7	1	3	1	1	3	1	1	1	1	3	3	3	1	1	1	1	1	1	3	1	1	1	3	1	1	3	1.0
94	1	1	1	3	2	1	3	1	1	1	1	4	1	1	1	3	1	1	1	3	2	3	3	4	4	1	7	1	3	1	1	3	1	1	1	1	1	3	1	1	1	1	1	1	1	3	1	1	1	3	1	1	3	1.3
95	2	7	1	3	2	1	1	1	1	1	1	4	1	1	1	4	1	1	1	3	2	3	3	4	4	4	7	1	3	1	1	3	1	1	1	1	3	3	3	2	1	1	1	1	1	3	1	1	1	3	1	1	3	2.0
96	1	1	1	3	2	1	1	1	1	1	1	4	1	1	1	4	2	1	1	3	2	3	3	4	4	4	7	1	3	1	1	3	1	1	1	1	3	3	3	2	1	7	1	4	1	1	3	2	1	1	4	1	3	1.5
97	1	1	1	3	2	1	1	1	1	1	1	4	1	1	1	1	1	1	1	3	2	3	3	4	4	4	7	1	3	1	1	3	1	1	1	1	3	3	3	2	1	1	4	1	1	3	2	1	1	1	4	1	3	2.0
98	1	1	1	3	2	1	1	4	1	1	1	4	3	1	1	3	1	1	1	3	2	1	1	4	4	4	7	1	3	1	1	3	1	1	1	1	1	3	3	1	1	1	1	1	1	3	1	1	1	1	1	1	3	1.3
99	2	7	1	3	2	1	3	1	1	1	1	4	1	1	1	3	1	1	1	3	2	3	1	4	4	3	7	1	3	1	1	1	1	1	1	1	1	3	2	1	1	1	4	1	1	3	1	1	1	1	1	1	3	4.0
																																	6	1	1	3	2	1	1	3	1	1	1	3	1	1	1	1	1	1	3	1.5

8L1

APPENDIX L
(ACTION)
LISTING OF EMISSION COMPONENT INSPECTION INFORMATION
ON INDIVIDUAL VEHICLES

LOS ANGELES

THE E COLUMN GIVES THE EVALUATION FOR EACH SYSTEM SHOWN

	INDUCT.	(FUEL)CARB AND FUEL SYSTEM(CHOKE)											IGNITION SYSTEM								PCV	EXHAUST SYS					INTERNAL ENGINE							DRIVE TRAIN					
VEH	1	1	2	3	2	1	2	3	4	5	6	7	8	9	10	11	3	1	2	3	4	1	2	3	4	5	6	7	8	5	1	2	6	1	2	3	4	5	7	1	2	3	4	5	6	7	8	1	2	3	4	5	6
NO.	E	A	A	A	E	A	A	A	A	A	A	A	A	A	A	A	E	A	A	A	E	A	A	A	A	A	A	A	E	A	A	E	A	A	A	A	A	E	A	A	A	A	A	A	E	A	A	A	A	A	A
60	1	0	0	0	2	0	0	1	0	0	0	1	0	0	0	0	1	0	0	0	1	0	0	0	0	0	0	0	1	0	0	1	0	0	0	0	0	2	0	0	0	1	0	0	0	1	0	0	0	0	0	0
61	1	0	0	0	2	0	0	0	0	0	0	0	0	0	0	1	1	0	0	0	2	0	0	1	1	1	3	0	0	1	0	0	1	0	0	0	0	0	2	0	0	0	1	0	0	0	1	0	0	0	0	0	0
62	1	0	0	0	2	0	0	0	0	0	0	1	0	0	0	1	1	0	0	0	2	0	0	1	1	1	3	0	0	1	0	0	1	3	3	0	0	0	2	0	0	0	1	0	0	0	1	0	0	0	0	0	0
63	1	0	0	0	2	0	0	0	0	0	0	1	0	0	0	1	1	0	0	0	2	0	0	1	0	1	0	0	0	1	0	0	1	0	0	0	0	0	2	0	0	0	1	0	0	0	1	0	0	0	0	0	0
64	1	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	2	0	0	1	0	0	3	0	0	1	0	0	1	0	0	0	0	0	1	0	0	0	0	0	0	0	1	0	0	0	0	0	0
65	2	3	0	2	2	0	0	0	0	0	0	0	0	0	0	1	1	0	0	0	2	0	0	1	1	1	0	0	0	1	0	0	1	0	0	0	0	0	2	0	1	0	1	0	0	0	2	0	0	1	0	0	0
66	2	3	0	0	1	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	2	0	0	0	0	1	0	0	0	1	0	0	1	0	0	0	0	0	1	0	0	0	0	0	0	0	2	0	0	1	0	0	0
67	2	3	0	0	1	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	2	0	0	1	0	1	3	0	0	1	0	0	1	0	0	0	0	0	2	0	0	0	1	0	0	0	1	0	0	0	0	0	0
68	1	0	0	0	2	0	0	0	0	0	0	0	1	0	0	0	1	0	0	0	2	0	0	1	1	1	1	0	0	1	0	0	1	0	0	0	0	0	2	0	0	0	1	0	0	0	1	0	0	0	0	0	0
69	2	3	0	0	1	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	1	0	0	0	0	0	0	0	0	1	0	0	1	0	0	0	0	0	2	0	0	0	1	0	0	0	1	0	0	0	0	0	0
70	2	3	0	0	2	0	0	0	0	0	0	1	0	0	0	1	1	0	0	0	2	0	0	1	0	1	3	0	0	1	0	0	1	0	0	0	0	0	2	0	0	0	1	0	0	0	1	0	0	0	0	0	0
71	1	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	1	0	0	0	0	0	0	0	0	1	0	0	1	0	0	0	0	0	1	0	0	0	0	0	0	0	1	0	0	0	0	0	0
72	1	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	1	0	0	0	0	0	0	0	0	1	0	0	1	0	0	0	0	0	1	0	0	0	0	0	0	0	1	0	0	0	0	0	0
73	2	2	0	0	1	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	2	0	0	0	0	0	3	0	0	1	0	0	1	0	0	0	0	0	1	0	0	0	0	0	0	0	1	0	0	0	0	0	0
74	1	0	0	0	2	0	0	0	0	0	0	0	0	0	0	1	1	0	0	0	1	0	0	0	0	0	0	0	0	1	0	0	1	0	0	0	0	0	2	0	0	0	1	0	0	0	1	0	0	0	0	0	0
75	1	0	0	0	2	0	0	0	0	0	0	0	0	0	0	1	1	0	0	0	2	0	0	0	0	0	3	0	0	1	0	0	1	0	0	0	0	0	1	0	0	0	0	0	0	0	2	0	0	1	0	0	0
76	1	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	2	0	0	0	0	0	3	0	0	1	0	0	1	0	0	0	0	0	1	0	0	0	0	0	0	0	2	0	0	1	0	0	0
78	2	2	0	0	2	0	0	1	0	0	0	1	0	0	0	0	1	0	0	0	2	0	0	1	0	1	3	0	3	1	0	0	1	0	0	0	0	0	2	0	0	0	1	0	0	0	1	0	0	0	0	0	0
79	2	2	0	2	2	0	0	1	1	1	0	0	0	0	0	0	1	0	0	0	1	0	0	0	0	0	0	0	0	1	0	0	1	0	0	0	0	0	2	0	0	0	1	0	0	0	1	0	0	0	0	0	0
81	2	0	2	0	2	0	0	1	0	0	0	1	0	0	0	0	1	0	0	0	2	0	0	1	0	0	3	0	0	1	0	0	1	0	0	0	0	0	1	0	0	0	0	0	0	0	2	0	0	0	1	0	0
82	1	0	0	0	2	0	0	1	0	0	0	1	0	0	0	0	1	0	0	0	1	0	0	0	0	0	0	0	0	1	0	0	1	0	0	0	0	0	2	0	0	0	1	0	0	0	2	0	0	0	1	0	0
83	1	0	0	0	2	0	0	1	0	0	0	1	0	0	0	0	1	0	0	0	1	0	0	1	1	1	0	0	0	1	0	0	1	0	0	0	0	0	2	0	0	0	1	0	0	0	1	0	0	0	0	0	0
84	1	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	1	0	0	0	0	0	0	0	0	3	0	0	1	0	0	0	0	0	1	0	0	0	0	0	0	0	1	0	0	0	0	0	0
85	1	0	0	0	2	0	0	0	0	0	0	1	0	0	0	0	1	0	0	0	1	0	0	0	0	0	0	0	0	3	0	0	1	0	0	0	0	0	2	0	0	0	1	0	0	0	2	0	0	0	1	0	0
86	1	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	1	1	0	0	0	0	0	0	0	1	0	0	1	0	0	0	0	0	1	0	0	0	0	0	0	0	1	0	0	0	0	0	0
87	1	0	0	0	2	0	0	1	2	0	0	0	0	0	0	3	1	0	0	0	1	0	0	0	0	0	0	0	0	1	0	0	1	0	0	0	0	0	2	0	0	0	1	0	0	0	2	0	0	1	0	0	0
88	2	3	3	0	2	0	0	0	3	1	3	0	0	0	0	0	1	0	0	0	2	0	0	1	0	0	3	0	3	1	3	0	1	0	0	0	0	0	2	0	0	0	1	0	0	0	2	0	0	1	0	0	0
89	1	0	0	0	2	0	0	0	0	0	0	1	0	0	0	0	1	0	0	0	1	0	0	0	0	0	0	0	0	1	0	0	2	0	0	0	0	1	1	0	0	0	0	0	0	0	1	0	0	0	0	0	0
90	1	0	0	0	2	0	0	0	0	0	0	1	0	0	0	0	1	0	0	0	1	0	0	0	0	0	0	0	0	1	0	0	1	0	0	0	0	0	1	0	0	0	0	0	0	0	1	0	0	0	0	0	0
91	1	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	1	0	0	0	0	0	0	0	0	1	0	0	1	0	0	0	0	0	1	0	0	0	0	0	0	0	1	0	0	0	0	0	0
92	1	0	0	0	2	0	0	0	0	0	0	1	0	0	0	0	1	0	0	0	2	0	0	1	0	0	3	0	0	1	0	0	1	0	0	0	0	0	1	0	0	0	0	0	0	0	1	0	0	0	0	0	0
93	1	0	0	0	2	0	0	1	0	0	0	0	0	0	0	0	1	0	0	0	2	0	0	0	0	0	3	0	0	1	0	0	1	0	0	0	0	0	1	0	0	0	0	0	0	0	1	0	0	0	0	0	0
94	1	0	0	0	2	0	0	0	0	0	0	1	0	0	0	0	1	0	0	0	2	0	0	1	3	0	3	0	0	1	0	0	1	0	0	0	0	0	2	0	0	0	0	0	0	0	1	0	0	0	0	0	0
95	2	3	0	0	2	0	0	0	0	0	0	1	0	0	0	0	1	0	0	0	2	0	0	1	1	1	3	0	0	1	0	0	1	0	0	0	0	0	1	0	0	0	0	0	0	0	2	0	0	0	1	0	0
96	1	0	0	0	2	0	0	0	0	0	0	1	0	0	0	1	2	0	0	0	2	0	0	1	1	1	3	0	0	1	0	0	1	0	0	0	0	0	2	0	3	0	1	0	0	0	2	0	0	0	1	0	0
97	1	0	0	0	2	0	0	0	0	0	0	1	0	0	0	0	1	0	0	0	2	0	0	1	1	1	3	0	0	1	0	0	1	0	0	0	0	0	1	0	0	0	0	0	0	0	1	0	0	0	0	0	0
98	1	0	0	0	2	0	0	1	0	0	0	1	0	0	0	0	1	0	0	0	2	0	0	1	1	1	0	0	0	1	0	0	2	0	3	0	0	0	2	0	0	0	1	0	0	0	1	0	0	0	0	0	0
99	2	2	0	0	2	0	0	0	0	0	0	1	0	0	0	0	1	0	0	0	2	0	0	1	1	0	3	0	0	1	0	0	1	0	0	0	0	0	1	0	0	0	0	0	0	0	2	0	0	0	1	0	0

APPENDIX L
(INSPECTION)
LISTING OF EMISSION COMPONENT INSPECTION INFORMATION
ON INDIVIDUAL VEHICLES

LOS ANGELES

THE E COLUMN GIVES THE EVALUATION FOR EACH SYSTEM SHOWN

	INDUCT.	(FUEL)	CARB AND FUEL SYSTEM										(CHOKE)	IGNITION SYSTEM								PCV	EXHAUST SYS			INTERNAL ENGINE							DRIVE TRAIN						MAN
VEH	1	1	2	3	2	1	2	3	4	5	6	7	8	9	10	11	3	1	2	3	4	1	2	3	4	5	6	7	8	5	1	2	6	1	2	3	4	5	7	1	2	3	4	5	6	HOURS
NO.	E	I	I	I	E	I	I	I	I	I	I	I	I	I	I	I	E	I	I	I	E	I	I	I	I	I	I	I	I	E	I	I	E	I	I	I	I	I	E	I	I	I	I	I	I	
100	2	7	1	3	2	1	3	1	1	1	1	4	1	1	1	3	1	1	1	3	2	3	1	4	1	3	7	1	3	1	1	3	1	1	1	3	1	3	2	1	1	1	3	1	1	4	2	1	1	3	7	1	3	1.5
101	1	1	1	3	2	1	3	1	1	1	1	4	1	1	1	3	1	1	1	3	2	3	1	1	1	3	7	1	3	1	1	3	1	1	1	1	1	3	1	1	1	1	3	1	1	3	1	1	1	3	1	1	3	1.5
102	1	1	1	3	2	1	3	1	1	1	1	4	1	1	1	3	1	1	1	3	2	3	1	1	1	3	7	1	3	1	1	3	1	1	1	1	1	3	1	1	1	1	3	1	1	3	1	1	1	3	1	1	3	1.5
103	1	1	1	1	2	1	1	4	1	1	1	4	3	1	1	1	1	1	1	1	2	1	1	1	4	4	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	5.0
104	1	1	1	1	2	1	1	4	1	1	1	4	3	1	1	1	1	1	1	1	2	3	3	4	4	4	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	8.0
105	2	7	1	3	2	1	1	4	1	1	5	1	1	1	1	3	1	1	1	3	1	3	1	1	1	1	1	1	3	1	1	3	2	9	9	9	9	9	1	1	1	9	1	1	1	3	2	1	9	1	1	1	3	3.0
106	1	1	1	3	2	5	3	4	1	1	1	4	3	1	1	3	1	1	1	3	1	1	1	1	1	1	1	1	3	1	1	3	1	1	1	1	1	3	1	1	1	1	1	1	1	3	2	1	1	1	4	1	3	3.0
107	1	1	1	3	1	1	3	1	1	1	1	1	1	1	1	3	1	1	1	3	1	3	1	1	1	1	1	1	3	1	1	3	1	1	1	1	1	3	1	1	1	1	1	1	1	3	2	1	1	1	4	1	3	3.0
108	2	9	5	3	2	1	3	1	1	1	9	4	3	1	1	3	1	1	1	3	2	3	3	4	4	1	9	1	3	2	5	3	2	9	9	9	9	3	1	1	1	1	1	1	1	3	1	1	1	1	1	1	3	.5
109	1	1	1	3	2	1	1	4	1	1	1	4	3	1	1	3	1	1	1	3	1	3	1	1	1	1	1	1	3	1	1	3	1	1	1	3	1	3	1	1	1	1	1	1	1	3	1	1	1	1	1	1	3	5.0
110	1	1	1	3	2	1	1	4	4	1	1	4	3	1	1	3	1	1	1	3	1	1	1	1	1	1	1	1	3	1	1	3	1	1	1	1	1	3	2	1	1	1	1	6	1	3	1	1	1	1	1	1	3	5.0
111	1	1	1	3	2	1	1	4	1	1	1	1	3	1	1	3	1	1	1	3	2	3	1	1	4	4	1	1	3	1	1	3	1	1	1	1	1	3	1	1	1	1	1	1	1	3	1	1	1	1	1	1	3	3.0
112	1	1	1	3	2	1	3	1	1	1	1	4	3	1	1	3	1	1	1	3	1	3	1	1	3	3	1	1	3	3	3	3	2	5	1	1	1	3	1	1	1	3	3	1	1	3	2	1	1	1	4	1	3	4.0
113	1	1	1	3	1	1	3	1	1	1	1	1	3	1	1	3	1	1	1	3	1	3	1	1	3	3	1	1	3	3	1	3	1	1	1	1	1	3	1	1	1	1	3	1	1	3	1	1	1	3	1	1	3	3.0
114	1	1	1	3	1	1	3	1	1	1	1	1	3	1	1	3	1	1	1	3	2	3	1	4	1	3	1	1	3	3	3	3	1	1	1	1	1	3	1	1	1	1	3	1	1	3	1	1	1	1	1	1	3	4.0
115	1	1	1	3	2	1	3	1	1	1	1	4	3	1	1	3	1	1	1	3	2	1	1	4	4	4	6	1	6	1	1	3	1	1	1	1	1	3	1	1	1	1	3	1	1	3	1	1	1	1	1	1	3	4.0
116	1	1	1	3	2	1	3	1	1	1	1	4	3	1	1	3	1	1	1	3	2	1	1	1	1	1	6	1	3	1	1	3	1	1	1	1	1	3	1	1	1	1	1	1	6	2	1	1	1	7	1	3	4.0
117	1	1	1	3	2	1	3	4	4	1	1	4	3	1	1	3	1	1	1	3	2	1	7	1	1	1	1	1	3	1	1	3	1	1	1	1	1	3	2	1	1	1	4	1	1	3	1	1	1	1	1	1	3	4.0
119	1	1	1	3	1	1	3	1	1	1	1	1	1	1	1	3	1	1	1	3	2	3	1	4	4	1	7	1	3	1	1	3	1	1	1	3	3	3	1	1	1	1	3	1	1	3	1	1	1	3	1	1	3	1.5
120	2	7	1	3	2	1	3	1	1	1	1	4	1	1	1	4	1	1	1	3	2	3	3	4	1	4	7	1	3	1	1	3	1	1	1	3	3	3	2	1	1	1	1	7	1	3	1	1	1	1	1	1	3	2.0
121	1	1	1	3	2	1	3	1	1	1	1	4	1	1	1	4	1	1	1	3	2	3	3	4	7	4	7	1	3	1	1	3	1	1	1	3	3	3	2	1	1	1	4	1	1	3	1	1	1	1	1	1	3	2.5
125	1	1	1	3	2	1	3	1	1	3	1	4	3	1	1	4	1	1	1	3	2	3	3	4	7	3	9	1	3	1	1	3	1	1	1	3	3	3	2	1	1	1	4	1	1	3	1	1	1	3	3	3	3	3.0

081

APPENDIX L
(ACTION)
LISTING OF EMISSION COMPONENT INSPECTION INFORMATION
ON INDIVIDUAL VEHICLES

LOS ANGELES

THE E COLUMN GIVES THE EVALUATION FOR EACH SYSTEM SHOWN

	INDUCT.	(FUEL)CARB AND FUEL SYSTEM(CHOKE)										IGNITION SYSTEM								PCV	EXHAUST SYS					INTERNAL ENGINE							DRIVE TRAIN					
VEH	1	1	2	3	2	1	2	3	4	5	6	7	8	9	10	11	3	1	2	3	4	1	2	3	4	5	6	7	8	5	1	2	6	1	2	3	4	5	7	1	2	3	4	5	6	7	8	1	2	3	4	5	6
NO.	E	A	A	A	E	A	A	A	A	A	A	A	A	A	A	A	E	E	A	A	A	E	A	A	A	A	A	A	A	E	A	A	E	A	A	A	A	A	E	A	A	A	A	A	A	E	A	A	A	A	A
100	2	2	0	0	2	0	0	0	0	0	0	1	0	0	0	0	1	0	0	0	2	0	0	1	0	0	3	0	0	1	0	0	1	0	0	0	0	0	2	0	0	0	0	0	0	1	2	0	0	0	3	0	0
101	1	0	0	0	2	0	0	0	0	0	0	1	0	0	0	0	1	0	0	0	2	0	0	0	0	0	3	0	0	1	0	0	1	0	0	0	0	0	1	0	0	0	0	0	0	1	0	0	0	0	0	0	0
102	1	0	0	0	2	0	0	0	0	0	0	1	0	0	0	0	1	0	0	0	2	0	0	0	0	0	3	0	0	1	0	0	1	0	0	0	0	0	1	0	0	0	0	0	0	1	0	0	0	0	0	0	0
103	1	0	0	0	2	0	0	1	0	0	0	1	0	0	0	0	1	0	0	0	2	0	0	0	1	1	0	0	0	1	0	0	1	0	0	0	0	0	1	0	0	0	0	0	0	1	0	0	0	0	0	0	0
104	1	0	0	0	2	0	0	1	0	0	0	1	0	0	0	0	1	0	0	0	2	0	0	1	1	1	0	0	0	1	0	0	1	0	0	0	0	0	1	0	0	0	0	0	0	1	0	0	0	0	0	0	0
105	2	3	0	0	2	0	0	1	0	0	3	0	0	0	0	0	1	0	0	0	1	0	0	0	0	0	0	0	0	1	0	0	2	3	3	3	3	3	1	0	0	2	0	0	0	0	2	0	0	0	0	0	0
106	1	0	0	0	2	3	0	1	0	0	0	1	0	0	0	0	1	0	0	0	1	0	0	0	0	0	0	0	0	1	0	0	1	0	0	0	0	0	1	0	0	0	0	0	0	2	0	0	0	0	1	0	0
107	1	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	1	0	0	0	0	0	0	0	0	1	0	0	1	0	0	0	0	0	1	0	0	0	0	0	0	2	0	0	0	1	0	0
108	2	3	3	0	2	0	0	0	0	0	0	1	0	0	0	0	1	0	0	0	2	0	0	1	1	1	3	0	0	2	3	0	2	3	3	3	3	0	1	0	0	0	0	0	0	1	0	0	0	0	0	0	0
109	1	0	0	0	2	0	0	1	0	0	0	1	0	0	0	0	1	0	0	0	1	0	0	0	0	0	0	0	0	1	0	0	1	0	0	0	0	0	1	0	0	0	0	0	0	1	0	0	0	0	0	0	0
110	1	0	0	0	2	0	0	1	1	0	0	1	0	0	0	0	1	0	0	0	1	0	0	0	0	0	0	0	0	1	0	0	1	0	0	0	0	0	1	0	0	0	0	0	0	1	0	0	0	0	0	0	0
111	1	0	0	0	2	0	0	1	0	0	0	0	0	0	0	0	1	0	0	0	2	0	0	0	0	0	0	0	0	1	0	0	1	0	0	0	0	0	2	0	0	0	0	3	0	0	1	0	0	0	0	0	0
112	1	0	0	0	2	0	0	0	0	0	0	1	0	0	0	0	1	0	0	0	1	0	0	0	0	0	0	0	0	1	0	0	1	0	0	0	0	0	1	0	0	0	0	0	0	1	0	0	0	0	0	0	0
113	1	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	1	0	0	0	0	0	0	0	0	1	0	0	1	0	0	0	0	0	1	0	0	0	0	0	0	1	0	0	0	0	0	0	0
114	1	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	2	0	0	1	0	0	0	0	0	3	0	0	1	0	0	0	0	0	1	0	0	0	0	0	0	1	0	0	0	0	0	0	0
115	1	0	0	0	2	0	0	0	0	0	0	1	0	0	0	0	1	0	0	0	2	0	0	1	1	1	3	0	3	1	0	0	1	0	0	0	0	0	1	0	0	0	0	0	0	1	0	0	0	0	0	0	0
116	1	0	0	0	2	0	0	0	0	0	0	1	0	0	0	0	1	0	0	0	2	0	0	0	0	0	3	0	0	1	0	0	1	0	0	0	0	0	1	0	0	0	0	0	3	2	0	0	0	3	0	0
117	1	0	0	0	2	0	0	1	1	0	0	1	0	0	0	0	1	0	0	0	2	0	3	0	0	0	0	0	0	1	0	0	1	0	0	0	0	0	2	0	0	0	1	0	0	1	0	0	0	0	0	0	0
119	1	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	2	0	0	1	1	0	3	0	0	1	0	0	1	0	0	0	0	0	1	0	0	0	0	0	0	1	0	0	0	0	0	0	0
120	2	2	0	0	2	0	0	0	0	0	0	1	0	0	0	1	1	0	0	0	2	0	0	1	0	1	3	0	0	1	0	0	1	3	3	0	0	0	2	0	0	0	0	2	0	0	1	0	0	0	0	0	0
121	1	0	0	0	2	0	0	0	0	0	0	1	0	0	0	1	1	0	0	0	2	0	0	0	3	1	3	0	0	1	0	0	1	0	0	0	0	0	2	0	0	0	1	0	0	1	0	0	0	0	0	0	0
125	1	0	0	0	2	0	0	0	0	0	0	1	0	0	0	1	1	0	0	0	2	0	0	1	3	0	3	0	0	1	0	0	1	0	0	0	0	0	2	0	0	0	1	0	0	1	0	0	0	0	0	0	0

APPENDIX L
(INSPECTION)
LISTING OF EMISSION COMPONENT INSPECTION INFORMATION
ON INDIVIDUAL VEHICLES

LOS ANGELES

THE E COLUMN GIVES THE EVALUATION FOR EACH SYSTEM SHOWN

	INDUCT.		(FUEL)CARB AND FUEL SYSTEM(CHOKE)											IGNITION SYSTEM								PCV	EXHAUST SYS			INTERNAL ENGINE							DRIVE TRAIN						MAN
VEH	1	1	2	3	2	1	2	3	4	5	6	7	8	9	10	11	3	1	2	3	4	1	2	3	4	5	6	7	8	5	1	2	6	1	2	3	4	5	6	7	8	1	2	3	4	5	6	HOURS
NO.	E	I	I	I	E	I	I	I	I	I	I	I	I	I	I	I	E	I	I	I	E	I	I	I	I	I	I	I	I	E	I	I	E	I	I	I	I	I	I	I	E	I	I	I	I	I	I	
127	1	1	1	3	2	1	1	1	1	1	1	1	1	1	1	4	1	1	1	3	2	3	3	4	1	4	1	1	3	1	1	3	1	1	1	1	3	3	2	1	1	1	4	1	1	3	1	1	1	3	3	3	3	1.0
129	1	1	1	3	1	1	1	1	1	1	1	1	1	1	1	3	1	1	1	3	2	3	3	1	4	4	1	1	3	1	1	3	1	1	1	3	3	3	1	1	1	1	1	1	1	3	1	1	1	1	1	1	3	1.0
130	1	1	1	3	2	1	3	1	1	1	1	4	1	1	1	4	1	1	1	3	2	3	3	4	4	4	7	1	3	1	1	3	1	1	1	3	3	3	2	1	1	1	4	1	1	3	2	1	1	4	1	1	3	1.8
136	1	1	1	3	2	1	3	1	1	1	1	4	1	1	1	3	1	1	1	3	2	3	3	1	3	3	7	1	3	1	1	3	1	1	1	3	3	3	2	1	1	1	4	1	1	3	2	1	1	4	3	3	3	1.0
137	1	1	1	3	2	1	3	1	1	1	1	4	1	1	1	3	1	1	1	3	1	3	3	1	3	3	1	1	3	1	1	3	1	1	1	3	3	3	2	1	1	1	4	1	1	3	1	1	1	1	3	3	3	1.0
140	1	1	1	3	2	1	3	4	1	1	1	1	1	1	1	3	1	1	1	3	1	3	1	1	3	3	1	1	3	1	1	3	1	1	1	1	1	3	2	1	1	1	4	1	1	3	1	1	1	1	1	1	3	1.0
141	2	7	1	3	2	1	3	1	1	1	1	4	1	1	1	3	1	1	1	3	1	3	1	1	3	3	1	1	3	1	1	3	1	1	1	1	1	3	2	1	1	1	4	1	1	3	1	1	1	1	1	1	3	.5
143	1	1	1	3	1	1	1	1	1	1	1	1	1	1	1	3	1	1	1	3	2	3	3	4	4	1	7	1	3	1	1	3	1	1	1	3	3	3	1	1	1	1	1	1	1	3	1	1	1	1	1	1	3	1.0
158	1	1	1	3	2	1	5	1	1	1	1	4	1	1	1	4	1	1	1	3	2	3	3	1	1	1	7	1	3	1	1	3	1	1	1	3	3	3	1	1	1	1	1	1	1	3	1	1	1	4	1	1	3	1.5
159	1	1	1	3	2	1	1	1	1	1	1	1	1	1	1	4	1	1	1	3	2	3	3	4	1	4	1	1	3	1	1	3	1	1	1	3	3	3	1	1	1	1	1	1	1	3	1	1	1	1	1	1	3	1.8
160	1	1	1	3	2	1	1	1	1	1	1	1	1	1	1	4	1	1	1	3	2	3	3	4	4	4	7	1	3	1	1	3	1	1	1	3	3	3	2	1	1	1	1	7	1	3	1	1	1	1	1	1	3	1.5
162	2	7	1	3	2	1	1	1	1	1	1	4	1	1	1	4	1	1	1	3	2	3	3	4	4	4	7	1	3	1	1	3	1	1	1	3	3	3	1	1	1	1	1	7	1	3	1	1	1	1	1	1	3	1.5
164	2	7	1	3	2	1	1	1	1	1	1	4	1	1	1	4	1	1	1	3	2	3	3	4	4	4	1	1	3	1	1	3	1	1	1	3	3	3	2	1	1	1	4	1	1	3	2	1	1	4	1	1	3	2.0
168	1	1	1	3	2	1	1	1	1	1	1	1	1	1	1	4	1	1	1	3	2	3	3	1	4	4	7	1	3	1	1	3	1	1	1	3	3	3	1	1	1	1	1	1	1	3	1	1	1	1	1	1	3	1.8
170	1	1	1	3	2	1	1	1	1	1	1	1	1	1	1	4	1	1	1	3	2	3	3	1	1	1	1	1	3	1	1	3	1	1	1	3	3	3	1	1	1	1	1	1	1	3	2	1	1	4	1	1	3	1.2
171	1	1	1	3	2	1	1	1	1	1	1	1	1	1	1	4	1	1	1	3	2	3	3	1	4	4	7	1	3	1	1	3	1	1	1	3	3	3	1	1	1	1	1	1	1	3	3	1	1	1	1	1	3	2.0
172	1	1	1	3	2	1	1	1	1	1	1	1	1	1	1	4	1	1	1	3	2	3	3	4	1	4	7	1	3	1	1	3	1	1	1	3	3	3	1	1	1	1	1	1	1	3	2	1	1	4	1	1	3	1.5
173	1	1	1	3	2	1	1	1	1	1	1	4	1	1	1	4	1	1	1	3	2	3	3	4	4	4	1	1	3	1	1	3	1	1	1	3	3	3	1	1	1	1	1	1	1	3	2	1	1	4	1	1	3	1.5
182	2	7	1	3	2	1	3	1	1	1	1	4	1	1	1	4	1	1	1	3	1	3	3	1	1	1	1	1	3	1	1	3	1	1	1	3	3	3	1	1	1	1	1	1	1	3	1	1	1	1	1	1	3	2.5
185	1	1	1	3	2	1	1	1	1	1	1	4	1	1	1	4	1	1	1	3	2	3	3	4	4	3	1	1	3	1	1	3	1	1	1	3	3	3	1	1	1	1	1	1	1	3	1	1	1	1	1	1	3	1.5
187	1	1	1	3	2	1	3	1	1	1	1	4	1	1	1	3	1	1	1	3	2	3	3	4	4	1	1	1	3	1	1	3	1	1	1	3	3	3	1	1	1	1	1	1	1	3	1	1	1	1	1	1	1	1.0
188	1	1	1	3	2	1	3	3	1	1	1	4	1	1	1	3	1	1	1	3	2	3	1	4	4	4	7	1	3	1	1	3	1	1	1	1	3	3	2	1	1	1	4	1	1	3	2	1	1	4	1	1	3	.8
217	1	1	1	3	2	1	1	1	1	1	1	4	1	1	1	4	1	1	1	3	2	3	3	4	4	4	1	1	3	1	1	3	1	1	1	3	3	3	1	1	1	1	1	1	1	3	2	1	1	4	4	1	3	1.5
219	1	1	1	3	2	1	1	1	1	1	1	1	1	1	1	4	1	1	1	3	2	3	3	4	1	4	7	1	3	1	1	3	1	1	1	3	3	3	1	1	1	1	1	1	1	3	1	1	1	1	1	1	3	1.5
220	1	1	1	3	2	1	1	1	1	1	1	4	1	1	1	4	1	1	1	3	2	3	3	4	1	1	7	1	3	1	1	3	1	1	1	3	3	3	1	1	1	1	1	1	1	3	1	1	1	1	1	1	3	1.5
221	1	1	1	3	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	3	2	3	3	4	1	4	7	1	3	1	1	3	1	1	1	3	3	3	1	1	1	1	1	1	1	3	1	1	1	1	1	1	3	1.2
227	1	1	1	3	2	1	1	1	1	1	1	4	1	1	1	1	1	1	1	3	2	3	3	4	1	1	1	1	3	1	1	3	1	1	1	3	3	3	1	1	1	1	1	1	1	3	1	1	1	1	1	1	3	1.0
228	1	1	1	3	2	1	1	1	1	1	1	4	1	1	1	3	1	1	1	3	2	3	1	4	1	4	7	1	3	1	1	3	1	1	1	1	1	3	2	1	1	1	4	1	1	3	2	1	1	4	4	7	3	1.5

APPENDIX L
(ACTION)
LISTING OF EMISSION COMPONENT INSPECTION INFORMATION
ON INDIVIDUAL VEHICLES

LOS ANGELES

THE E COLUMN GIVES THE EVALUATION FOR EACH SYSTEM SHOWN

	INDUCT.	(FUEL)CARB AND FUEL SYSTEM(CHOKE)														IGNITION SYSTEM									PCV	EXHAUST SYS							INTERNAL ENGINE							DRIVE TRAIN					
VEH	1	1	2	3	3	1	2	3	4	5	6	7	8	9	10	11	3	1	2	3	4	1	2	3	4	5	6	7	8	5	1	2	6	1	2	3	4	5	7	1	2	3	4	5	6	7	8	1	2	3	4	5	6
NO.	E	A	A	A	E	A	A	A	A	A	A	A	A	A	A	A	E	A	A	A	E	A	A	A	A	A	A	A	A	E	A	A	E	A	A	A	A	A	E	A	A	A	A	A	A	A	E	A	A	A	A	A	A
127	1	0	0	0	2	0	0	0	0	0	0	0	0	0	0	1	1	0	0	0	2	0	0	1	0	1	0	0	0	1	0	0	1	0	0	0	0	0	2	0	0	0	1	0	0	0	1	0	0	0	0	0	0
129	1	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	2	0	0	0	1	1	0	0	0	1	0	0	1	0	0	0	0	0	1	0	0	0	0	0	0	0	1	0	0	0	0	0	0
130	1	0	0	0	2	0	0	0	0	0	0	1	0	0	0	1	1	0	0	0	2	0	0	1	1	1	3	0	0	1	0	0	1	0	0	0	0	0	2	0	0	0	1	0	0	0	2	0	0	0	0	0	0
136	1	0	0	0	2	0	0	0	0	0	0	1	0	0	0	0	1	0	0	0	2	0	0	0	0	0	3	0	0	1	0	0	1	0	0	0	0	0	2	0	0	0	1	0	0	0	2	0	0	1	0	0	0
137	1	0	0	0	2	0	0	0	0	0	0	1	0	0	0	0	1	0	0	0	1	0	0	0	0	0	0	0	0	1	0	0	1	0	0	0	0	0	2	0	0	0	1	0	0	0	1	0	0	0	0	0	0
140	1	0	0	0	2	0	0	1	0	0	0	0	0	0	0	0	1	0	0	0	1	0	0	0	0	0	0	0	0	1	0	0	1	0	0	0	0	0	2	0	0	0	1	0	0	0	1	0	0	0	0	0	0
141	2	2	0	0	2	0	0	0	0	0	0	1	0	0	0	0	1	0	0	0	1	0	0	0	0	0	0	0	0	1	0	0	1	0	0	0	0	0	2	0	0	0	1	0	0	0	1	0	0	0	0	0	0
143	1	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	2	0	0	1	1	0	3	0	0	1	0	0	1	0	0	0	0	0	1	0	0	0	0	0	0	0	1	0	0	0	0	0	0
-158	1	0	0	0	2	0	0	0	0	0	0	1	0	0	0	1	1	0	0	0	2	0	0	0	0	0	3	0	0	1	0	0	1	0	0	0	0	0	1	0	0	0	0	0	0	0	1	0	0	1	0	0	0
159	1	0	0	0	2	0	0	0	0	0	0	0	0	0	0	1	1	0	0	0	2	0	0	1	0	0	3	0	0	1	0	0	1	0	0	0	0	0	1	0	0	0	0	0	0	0	1	0	0	0	0	0	0
160	1	0	0	0	2	0	0	0	0	0	0	0	0	0	0	1	1	0	0	0	2	0	0	1	1	1	3	0	0	1	0	0	1	0	0	0	0	0	2	0	0	0	0	2	0	0	1	0	0	0	0	0	0
162	2	3	0	0	2	0	0	0	0	0	0	1	0	0	0	1	1	0	0	0	2	0	0	1	1	1	3	0	0	1	0	0	1	0	0	0	0	0	1	0	0	0	0	2	0	0	1	0	0	0	0	0	0
164	2	3	0	0	2	0	0	0	0	0	0	1	0	0	0	1	1	0	0	0	2	0	0	1	1	1	0	0	0	1	0	0	1	0	0	0	0	0	2	0	0	0	1	0	0	0	2	0	0	1	0	0	0
168	1	0	0	0	2	0	0	0	0	0	0	0	0	0	0	1	1	0	0	0	2	0	0	0	1	1	3	0	0	1	0	0	1	0	0	0	0	0	1	0	0	0	0	0	0	0	1	0	0	0	0	0	0
170	1	0	0	0	2	0	0	0	0	0	0	0	0	0	0	1	1	0	0	0	2	0	0	0	0	0	0	0	0	1	0	0	1	0	0	0	0	0	1	0	0	0	0	0	0	0	2	0	0	1	0	0	0
171	1	0	0	0	2	0	0	0	0	0	0	0	0	0	0	1	1	0	0	0	2	0	0	0	1	1	3	0	0	1	0	0	1	0	0	0	0	0	1	0	0	0	0	0	0	0	1	0	0	0	0	0	0
172	1	0	0	0	2	0	0	0	0	0	0	0	0	0	0	1	1	0	0	0	2	0	0	1	0	1	3	0	0	1	0	0	1	0	0	0	0	0	1	0	0	0	0	0	0	0	2	0	0	1	0	0	0
173	1	0	0	0	2	0	0	0	0	0	0	1	0	0	0	1	1	0	0	0	2	0	0	1	1	1	0	0	0	1	0	0	1	0	0	0	0	0	1	0	0	0	0	0	0	0	2	0	0	1	0	0	0
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185	1	0	0	0	2	0	0	0	0	0	0	1	0	0	0	1	1	0	0	0	2	0	0	1	1	0	0	0	0	1	0	0	1	0	0	0	0	0	1	0	0	0	0	0	0	0	1	0	0	0	0	0	0
187	1	0	0	0	2	0	0	0	0	0	0	1	0	0	0	0	1	0	0	0	2	0	0	1	1	0	0	0	0	1	0	0	1	0	0	0	0	0	1	0	0	0	0	0	0	0	1	0	0	0	0	0	0
188	1	0	0	0	2	0	0	0	0	0	0	1	0	0	0	0	1	0	0	0	2	0	0	1	1	3	3	0	0	1	0	0	1	0	0	0	0	0	2	0	0	0	1	0	0	0	2	0	0	1	0	0	0
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219	1	0	0	0	2	0	0	0	0	0	0	0	0	0	0	1	1	0	0	0	2	0	0	1	0	1	3	0	0	1	0	0	1	0	0	0	0	0	1	0	0	0	0	0	0	0	1	0	0	0	0	0	0
220	1	0	0	0	2	0	0	0	0	0	0	1	0	0	0	1	1	0	0	0	2	0	0	1	0	0	3	0	0	1	0	0	1	0	0	0	0	0	1	0	0	0	0	0	0	0	1	0	0	0	0	0	0
221	1	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	2	0	0	1	0	1	3	0	0	1	0	0	1	0	0	0	0	0	1	0	0	0	0	0	0	0	1	0	0	0	0	0	0
227	1	0	0	0	2	0	0	0	0	0	0	1	0	0	0	0	1	0	0	0	2	0	0	1	0	0	0	0	0	1	0	0	1	0	0	0	0	0	1	0	0	0	0	0	0	0	1	0	0	0	0	0	0
228	1	0	0	0	2	0	0	0	0	0	0	1	0	0	0	0	1	0	0	0	2	0	0	1	0	0	3	0	0	1	0	0	1	0	0	0	0	0	2	0	0	0	1	0	0	0	2	0	0	1	1	2	0